



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: U.S. Army

FACILITY NAME: Anniston Army Depot

FACILITY/PERMIT NO.: 301-0023

LOCATION: Anniston, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

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TABLE OF CONTENTS

GENERAL PERMIT PROVISOS.....	10
SUMMARY PAGE FOR ABRASIVE BLASTING OPERATIONS.....	28
PROVISOS FOR ABRASIVE BLASTING OPERATIONS	30
<i>Applicability</i>	<i>30</i>
<i>Emission Standards.....</i>	<i>30</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>30</i>
<i>Emission Monitoring.....</i>	<i>31</i>
<i>Recordkeeping and Reporting Requirements</i>	<i>31</i>
SUMMARY PAGE FOR WOODWORKING OPERATIONS	32
PROVISOS FOR WOODWORKING OPERATIONS	33
<i>Applicability</i>	<i>33</i>
<i>Emission Standards.....</i>	<i>33</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>33</i>
<i>Emission Monitoring.....</i>	<i>33</i>
<i>Recordkeeping and Reporting Requirements</i>	<i>33</i>
SUMMARY PAGE FOR BUILDING 114 CHROME PLATING OPERATIONS	35
PROVISOS FOR BUILDING 114 CHROME PLATING OPERATIONS	36
<i>Applicability</i>	<i>36</i>
<i>Emission Standards.....</i>	<i>36</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>36</i>
<i>Emission Monitoring.....</i>	<i>37</i>
<i>Recordkeeping and Reporting Requirements</i>	<i>39</i>
SUMMARY PAGE FOR ENGINE TESTING.....	45
PROVISOS FOR ENGINE TESTING.....	47
<i>Applicability</i>	<i>47</i>
<i>Emission Standards.....</i>	<i>47</i>

<i>Compliance and Performance Test Methods and Procedures.....</i>	48
<i>Emission Monitoring</i>	48
<i>Recordkeeping and Reporting Requirements</i>	48
SUMMARY PAGE FOR SURFACE COATING OPERATIONS 1.....	50
PROVISOS FOR SURFACE COATING OPERATIONS 1.....	52
<i>Applicability</i>	52
<i>Emission Standards.....</i>	52
<i>Compliance and Performance Test Methods and Procedures.....</i>	52
<i>Emission Monitoring</i>	52
<i>Recordkeeping and Reporting Requirements</i>	52
SUMMARY PAGE FOR SURFACE COATING OPERATIONS 2.....	53
PROVISOS FOR SURFACE COATING OPERATIONS 2.....	55
<i>Applicability</i>	55
<i>Emission Standards.....</i>	55
<i>Compliance and Performance Test Methods and Procedures.....</i>	57
<i>Emission Monitoring</i>	57
<i>Recordkeeping and Reporting Requirements</i>	57
SUMMARY PAGE FOR OPEN BURNING/OPEN DETONATION	59
PROVISOS FOR OPEN BURNING/OPEN DETONATION	60
<i>Applicability</i>	60
<i>Emission Standards.....</i>	60
<i>Compliance and Performance Test Methods and Procedures.....</i>	60
<i>Emission Monitoring</i>	60
<i>Recordkeeping and Reporting Requirements</i>	60
SUMMARY PAGE FOR GASOLINE DISPENSING FACILITIES – STAGE 1.....	61
PROVISOS FOR GASOLINE DISPENSING FACILITIES – STAGE 1.....	62
<i>Applicability</i>	62

<i>Emission Standards</i>	62
<i>Compliance and Performance Test Methods and Procedures</i>	62
<i>Emission Monitoring</i>	62
<i>Recordkeeping and Reporting Requirements</i>	63
SUMMARY PAGE FOR BULK GASOLINE PLANT	64
PROVISOS FOR BULK GASOLINE PLANT	65
<i>Applicability</i>	65
<i>Emission Standards</i>	65
<i>Compliance and Performance Test Methods and Procedures</i>	67
<i>Emission Monitoring</i>	67
<i>Recordkeeping and Reporting Requirements</i>	67
SUMMARY PAGE FOR TCE BATCH VAPOR DEGREASING	68
PROVISOS FOR TCE BATCH VAPOR DEGREASING	69
<i>Applicability</i>	69
<i>Emission Standards</i>	69
<i>Compliance and Performance Test Methods and Procedures</i>	70
<i>Emission Monitoring</i>	71
<i>Recordkeeping and Reporting Requirements</i>	73
SUMMARY PAGE FOR NON-HAP BATCH VAPOR DEGREASING	77
PROVISOS FOR NON-HAP BATCH VAPOR DEGREASING	78
<i>Applicability</i>	78
<i>Emission Standards</i>	78
<i>Compliance and Performance Test Methods and Procedures</i>	78
<i>Emission Monitoring</i>	78
<i>Recordkeeping and Reporting Requirements</i>	78
SUMMARY PAGE FOR NPX VATS IN BUILDINGS 114 & 409	79
PROVISOS FOR NPX VATS IN BUILDINGS 114 & 409	80

<i>Applicability</i>	80
<i>Emission Standards.....</i>	80
<i>Compliance and Performance Test Methods and Procedures.....</i>	80
<i>Emission Monitoring.....</i>	80
<i>Recordkeeping and Reporting Requirements</i>	80
SUMMARY PAGE FOR NPX VAT IN BUILDING 474.....	81
PROVISOS FOR NPX VAT IN BUILDING 474.....	82
<i>Applicability</i>	82
<i>Emission Standards.....</i>	82
<i>Compliance and Performance Test Methods and Procedures.....</i>	82
<i>Emission Monitoring.....</i>	82
<i>Recordkeeping and Reporting Requirements</i>	82
SUMMARY PAGE FOR NPX VAT IN BUILDING 130.....	83
PROVISOS FOR NPX VATS IN BUILDING 130	84
<i>Applicability</i>	84
<i>Emission Standards.....</i>	84
<i>Compliance and Performance Test Methods and Procedures.....</i>	84
<i>Emission Monitoring.....</i>	85
<i>Recordkeeping and Reporting Requirements</i>	85
SUMMARY PAGE FOR SCRAP METAL FLASHING FURNACE.....	86
PROVISOS FOR SCRAP METAL FLASHING FURNACE.....	87
<i>Applicability</i>	87
<i>Emission Standards.....</i>	87
<i>Compliance and Performance Test Methods and Procedures.....</i>	87
<i>Emission Monitoring.....</i>	87
<i>Recordkeeping and Reporting Requirements</i>	87
SUMMARY PAGE FOR DRMO MOBILE SHREDDER.....	88

PROVISOS FOR DRMO MOBILE SHREDDER	89
<i>Applicability</i>	89
<i>Emission Standards.....</i>	89
<i>Compliance and Performance Test Methods and Procedures.....</i>	89
<i>Emission Monitoring</i>	89
<i>Recordkeeping and Reporting Requirements</i>	89
SUMMARY PAGE FOR SALT BATH SYSTEM	90
PROVISOS FOR SALT BATH SYSTEM	91
<i>Applicability</i>	91
<i>Emission Standards.....</i>	91
<i>Compliance and Performance Test Methods and Procedures.....</i>	91
<i>Emission Monitoring</i>	91
<i>Recordkeeping and Reporting Requirements</i>	92
SUMMARY PAGE FOR BUILDING 501 BOILER NO. 1 DUAL FIRED, 20.085 MMBTU/HR	93
PROVISOS FOR BUILDING 501 BOILER NO. 1 DUAL FIRED, 20.085 MMBTU/HR	94
<i>Applicability</i>	94
<i>Emission Standards.....</i>	94
<i>Compliance and Performance Test Methods and Procedures.....</i>	94
<i>Emission Monitoring</i>	94
<i>Recordkeeping and Reporting Requirements</i>	96
SUMMARY PAGE FOR BUILDING 401, BOILERS NOS. 1 & 2 DUAL FIRED, 90 MMBTU/HR EACH.....	97
PROVISOS FOR BUILDING 401, BOILERS NOS. 1 & 2 DUAL FIRED, 90 MMBTU/HR EACH.....	98
<i>Applicability</i>	98
<i>Emission Standards.....</i>	98
<i>Compliance and Performance Test Methods and Procedures.....</i>	98

<i>Emission Monitoring</i>	99
<i>Recordkeeping and Reporting Requirements</i>	100
SUMMARY PAGE FOR BUILDING 401 BOILER #3 DUAL FIRED, 61.5 MMBTU/HR	102
PROVISOS FOR BUILDING 401 BOILER #3 DUAL FIRED, 61.5 MMBTU/HR.....	103
<i>Applicability</i>	103
<i>Emission Standards</i>	103
<i>Compliance and Performance Test Methods and Procedures.....</i>	103
<i>Emission Monitoring</i>	104
<i>Recordkeeping and Reporting Requirements</i>	105
SUMMARY PAGE FOR BUILDING 381A, BOILERS NOS. 1 & 2 DUAL FIRED, 21 MMBTU/HR EACH	107
PROVISOS FOR BUILDING 381A, BOILERS NOS. 1 & 2 DUAL FIRED, 21 MMBTU/HR EACH.....	108
<i>Applicability</i>	108
<i>Emission Standards</i>	108
<i>Compliance and Performance Test Methods and Procedures.....</i>	108
<i>Emission Monitoring</i>	109
<i>Recordkeeping and Reporting Requirements</i>	110
SUMMARY PAGE FOR BUILDING 362, BOILERS NOS. 1 & 2 DUAL FIRED, 12.5 MMBTU/HR EACH	112
PROVISOS FOR BUILDING 362, BOILERS NOS. 1 & 2 DUAL FIRED, 12.5 MMBTU/HR EACH.....	113
<i>Applicability</i>	113
<i>Emission Standards</i>	113
<i>Compliance and Performance Test Methods and Procedures.....</i>	113
<i>Emission Monitoring</i>	114
<i>Recordkeeping and Reporting Requirements</i>	115
SUMMARY PAGE FOR BUILDING 19 BOILERS NOS. 1 & 2 DUAL FIRED, 8.4 MMBTU/HR EACH.....	117

PROVISOS FOR BUILDING 19 BOILERS NOS. 1 & 2 DUAL FIRED, 8.4 MMBTU/HR EACH.....	118
<i>Applicability</i>	<i>118</i>
<i>Emission Standards.....</i>	<i>118</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>118</i>
<i>Emission Monitoring</i>	<i>118</i>
<i>Recordkeeping and Reporting Requirements</i>	<i>120</i>
SUMMARY PAGE FOR BUILDING 414 (#1 - 5.022 MMBTU/HR), BUILDING 647 (#1 - 6.695 MMBTU/HR), AND BUILDING 680 (4.185 MMBTU/HR) BOILERS.....	121
PROVISOS FOR BUILDING 414 (#1 - 5.022 MMBTU/HR), BUILDING 647 (#1 - 6.695 MMBTU/HR), AND BUILDING 680 (4.185 MMBTU/HR) BOILERS	122
<i>Applicability</i>	<i>122</i>
<i>Emission Standards.....</i>	<i>122</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>122</i>
<i>Emission Monitoring</i>	<i>122</i>
<i>Recordkeeping and Reporting Requirements</i>	<i>124</i>
SUMMARY PAGE FOR SMALL NATURAL GAS BOILERS (APPENDIX A).....	125
PROVISOS FOR SMALL NATURAL GAS BOILERS (APPENDIX A)	126
<i>Applicability</i>	<i>126</i>
<i>Emission Standards.....</i>	<i>126</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>126</i>
<i>Emission Monitoring</i>	<i>126</i>
<i>Recordkeeping and Reporting Requirements</i>	<i>126</i>
SUMMARY PAGE FOR SMALL FUEL OIL BOILERS (APPENDIX B)	127
PROVISOS FOR SMALL FUEL OIL BOILERS (APPENDIX B)	128
<i>Applicability</i>	<i>128</i>
<i>Emission Standards.....</i>	<i>128</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>128</i>

<i>Emission Monitoring</i>	<i>128</i>
<i>Recordkeeping and Reporting Requirements</i>	<i>128</i>
SUMMARY PAGE FOR 364 HP EMERGENCY DIESEL GENERATOR IN BUILDING 445.....	129
PROVISOS FOR 364 HP EMERGENCY DIESEL GENERATOR IN BUILDING 445	130
<i>Applicability</i>	<i>130</i>
<i>Emission Standards</i>	<i>130</i>
<i>Compliance and Performance Test Methods and Procedures.....</i>	<i>130</i>
<i>Emission Monitoring</i>	<i>131</i>
<i>Recordkeeping and Reporting Requirements</i>	<i>131</i>
APPENDIX A - SMALL NATURAL GAS BOILERS	132
APPENDIX B - SMALL FUEL OIL BOILERS	133
APPENDIX C - PM CAM PLAN FOR BLAST CABINETS K4607 AND J4744.....	134

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5.</p> <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p>	<p>Rule 335-3-16-.02(6)</p> <p>Rule 335-3-16-.12(2)</p> <p>Rule 335-3-16-.05(e)</p> <p>Rule 335-3-16-.05(f)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	Rule 335-3-16-.05(g)
<p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	Rule 335-3-16-.05(h)
<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	Rule 335-3-16-.05(i)
<p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	Rule 335-3-16-.05(j)
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	Rule 335-3-16-.05(k)
<p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	<p>Rule 335-3-16-.07(a)</p>
<p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. 	<p>Rule 335-3-16-.07(b)</p>
<p>11. <u>Compliance Provisions</u></p> <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. 	<p>Rule 335-3-16-.07(c)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>12. <u>Compliance Certification</u></p> <p>A compliance certification shall be submitted annually by February 13th of each year.</p> <p>(a) The compliance certification shall include the following:</p> <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status; (3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Record Keeping Requirements); (4) Whether the method(s) or other means used to assure compliance provided continuous or intermittent data; (5) Such other facts as the Department may require to determine the compliance status of the source; <p>(b) The compliance certification shall be submitted to:</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="padding-left: 80px;">and to:</p> <p style="padding-left: 40px;">Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p>	<p>Rule 335-3-16-.07(e)</p>
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p>	<p>Rule 335-3-16-.13(5)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	
<p>14. <u>Additional Rules and Regulations</u></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <p>(1) Identification of the specific facility to be taken out of service as well as its location and permit number;</p>	<p>Rule 335-3-1-.07(1),(2)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(2) The expected length of time that the air pollution control equipment will be out of service;</p> <p>(3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period;</p> <p>(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;</p> <p>(5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period.</p> <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director will be notified when the breakdown has been corrected.</p> <p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p> <p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p> <p>18. <u>Fugitive Dust</u></p>	<p></p> <p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p> <p>Rule 335-3-1-.08</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne:</p> <p>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;</p> <p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p> <p>(3) By paving;</p> <p>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; or</p> <p>(5) By any combination of the above methods which results in the prevention of dust becoming airborne from the road surface.</p> <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.</p>	<p>Rule 335-3-4-.02</p>
<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p>	<p>Rule 335-3-16-.05(c)(2)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. (b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit 	
<p>21. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> (a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9). (b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken. 	<p>Rule 335-3-16-.05(c)(3)</p>
<p>22. <u>Emission Testing Requirements</u></p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ul style="list-style-type: none"> a. The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests. b. A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures requires probe cleaning). c. A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity. d. A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances. <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p> <p>Rule 335-3-1-.04</p> <p>Rule 335-3-1-.04</p>
<p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p>	<p>Rule 335-1-7-.04</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>24. <u>Other Reporting and Testing Requirements</u></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p> <p>25. <u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p> <p>26. <u>Chemical Accidental Prevention Provisions</u></p>	<p>Rule 335-3-1-.04(1)</p> <p>40 CFR Part 82</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or,</p> <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p>	<p>40 CFR Part 68</p>
<p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will make the permit readily available for inspection by any or all persons who may request to see it.</p>	<p>Rule 335-3-14-.01(1)(d)</p>
<p>28. <u>Circumvention</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	<p>Rule 335-3-1-.10</p>
<p>29. <u>Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>	<p>Rule 335-3-4-.01(1)</p>
<p>30. <u>Fuel-Burning Equipment</u></p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.</p>	Rule 335-3-4-.03
<p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.</p>	Rule 335-3-5-.01
<p>31. <u>Process Industries – General</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.</p>	Rule 335-3-4-.04
<p>32. <u>Averaging Time for Emission Limits</u></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method</p>	Rule 335-3-1-.05
<p>33. <u>Compliance Assurance Monitoring (CAM)</u></p> <p>Conditions (a) through (d) that follow are general conditions applicable to emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the unit specific provisos and the attached CAM appendices.</p> <p>(a) Operation of Approved Monitoring</p> <p>(1) <i>Commencement of operation.</i> The owner or operator shall conduct the monitoring required under this section and detailed in the unit specific provisos and CAM appendix of this permit (if required) upon issuance of the permit, or by such later date specified in the permit pursuant to §64.6(d).</p> <p>(2) <i>Proper maintenance.</i> At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.</p>	40 CFR 64.7

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(3) <i>Continued operation.</i> Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.</p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(4) <i>Response to excursions or exceedances.</i> (a) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable. (b) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.</p> <p>(a) <i>Documentation of need for improved monitoring.</i> After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the Department and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.</p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p data-bbox="236 331 922 365">(b) Quality Improvement Plan (QIP) Requirements</p> <p data-bbox="236 461 1091 920">(1) Based on the results of a determination made under Section 33(a)(4)(b) above, the Administrator or the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with 40 CFR §64.6(c)(3), the permit may specify an appropriate threshold, such as an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, for requiring the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.</p> <p data-bbox="236 954 555 987">(2) Elements of a QIP:</p> <ol style="list-style-type: none"> <li data-bbox="140 1025 1038 1093">1. The owner or operator shall maintain a written QIP, if required, and have it available for inspection. <li data-bbox="140 1099 1038 1272">2. The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate: <ul style="list-style-type: none"> <li data-bbox="376 1312 967 1346">(i) Improved preventive maintenance practices. <li data-bbox="376 1384 759 1417">(ii) Process operation changes. <li data-bbox="376 1456 1018 1489">(iii) Appropriate improvements to control methods. <li data-bbox="376 1527 943 1594">(iv) Other steps appropriate to correct control performance. <li data-bbox="376 1632 1086 1736">(v) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (2)(b)(i) through (iv) above). 	<p data-bbox="1118 331 1278 365">40 CFR 64.8</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(3) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.</p> <p>(4) Following implementation of a QIP, upon any subsequent determination pursuant to Section 33(a)(4)(b) above, the Department may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:</p> <ul style="list-style-type: none"> (a) Failed to address the cause of the control device performance problems; or (b) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. <p>(5) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.</p>	
<p>(c) Reporting and Recordkeeping Requirements</p> <p><i>(1) General reporting requirements</i></p> <p>On and after the date specified in Section 33(a)(1) above by which the owner or operator must use monitoring that meets the requirements of this part, the owner or operator shall submit monitoring reports to the permitting authority in accordance with ADEM Admin. Code R. 335-3-16-.05(c)3.</p> <p>A report for monitoring under this part shall include, at a minimum, the information required under ADEM Admin. Code R. 335-3-16-.05(c)3. and the following information, as applicable:</p>	<p>40 CFR 64.9</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;</p> <p>(ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and</p> <p>(iii) A description of the actions taken to implement a QIP during the reporting period as specified in Section 33(b) above. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.</p> <p>(2) <i>General recordkeeping requirements.</i></p> <p>(a) The owner or operator shall comply with the recordkeeping requirements specified in ADEM Admin. Code R. 335-3-16-.05(c)2. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to Section 33(b) above and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).</p> <p>(b) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.</p> <p>(d) Savings Provisions</p>	<p>40 CFR 64.10</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(1) Nothing in this part shall:</p> <p>(a) Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. The requirements of this part shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part.</p> <p>(b) Restrict or abrogate the authority of the Department to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to sections 114(a)(1) and 504(b), or state law, as applicable.</p> <p>(c) Restrict or abrogate the authority of the Department to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under section 304 of the Act.</p>	

Summary Page for Abrasive Blasting Operations

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
09281	Bldg 114- Walk-in Abrasive Blast Unit	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
09281	Bldg 114- Walk-in Abrasive Blast Unit	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
K3182	Bldg 130- Sodium Bicarbonate and Aluminum Oxide Abrasive Blast Unit	PM	1.15 lb/hr	Rule 334-3-14-.04
K3182	Bldg 130 – Sodium Bicarbonate and Aluminum Oxide Abrasive Blast Unit	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
K3608	Bldg 130 – Garnet and Olivine Abrasive Blast Unit w/ Baghouse	PM	2.15 lb/hr	Rule 335-3-14-.04
K3608	Bldg 130 – Garnet and Olivine Abrasive Blast Unit w/ Baghouse	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
09403	Building 409- Rotary Table Abrasive Blast Unit No. 1 With Baghouse	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
09403	Building 409- Rotary Table Abrasive Blast Unit No. 1 With Baghouse	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
09398	Building 409- Walk-in Abrasive Blast Unit No. 1 with Baghouse	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
09398	Building 409- Walk-in Abrasive Blast Unit No. 1 with Baghouse	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
09399	Building 409- Walk-in Abrasive Blast Unit No. 2 with Baghouse	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
09399	Building 409- Walk-in Abrasive Blast Unit No. 2 with Baghouse	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
09427	Building 409- Walk-in Abrasive Blast Unit No. 3 with Baghouse	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
09427	Building 409- Walk-in Abrasive Blast Unit No. 3 with Baghouse	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
K4607	Building 409- Spinner Hanger Abrasive Blast Cabinet with Cartridge Filter System	PM	3.0 lb/hr	Rule 335-3-14-.04

K4607	Building 409- Spinner Hanger Abrasive Blast Cabinet with Cartridge Filter System	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
L4463	Building 431 –Abrasive Blast Spinner Hanger	PM	3.4 lbs/hr	Rule 335-3-14-.04
L4463	Building 431 –Abrasive Blast Spinner Hanger	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
J4744	Building 432- Spinner Hanger Abrasive Blast Cabinet with Cartridge Filter System	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
J4744	Building 432- Spinner Hanger Abrasive Blast Cabinet with Cartridge Filter System	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
L5056	Building 433- Walk-in Abrasive Blast Unit No. 1 with Baghouse	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L5056	Building 433- Walk-in Abrasive Blast Unit No. 1 with Baghouse	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
L5057	Building 433- Walk-in Abrasive Blast Unit No. 2 with Baghouse	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L5057	Building 433- Walk-in Abrasive Blast Unit No. 2 with Baghouse	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
L5058	Building 433- Walk-in Abrasive Blast Unit No. 3 with Baghouse	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
L5058	Building 433- Walk-in Abrasive Blast Unit No. 3 with Baghouse	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)
474-1	Building 474- Power Train Walk-in Blast Unit	PM	0.236 lbs/hr	Rule 335-3-14-.04
474-1	Building 474- Power Train Walk-in Blast Unit	Opacity	See General Proviso 29	Rule 335-3-4-.01(1)

Provisos for Abrasive Blasting Operations

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
2. Units K3182, K3608, K4607, L4463, F1748, and 474-1 have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
3. For particulate matter emissions, Units K4607 & J4744 are subject to the applicable requirements of 40 CFR Part 64, "Compliance Assurance Monitoring", to include General Proviso # 33.	40 CFR Part 64
<u>Emission Standards</u>	
1. Emissions of particulate matter from the Sodium Bicarbonate and Aluminum Oxide Abrasive Blast Unit (K3182) in Building 130 shall not exceed 1.15 lb/hr.	Rule 335-3-14-.04
2. Emissions of particulate matter from the Garnet and Olivine Abrasive Blast Booth (K3608) in Building 130 shall not exceed 2.15 lb/hr.	Rule 335-3-14-.04
3. Emissions of particulate matter from the Spinner Hanger Abrasive Blast Cabinet (K4607) in Building 409 shall not exceed 3.0 lb/hr.	Rule 335-3-14-.04
4. Emissions of particulate matter from the Abrasive Blast Spinner Hanger (L4463) in Building 431 shall not exceed 3.4 lbs/hr.	Rule 335-3-14-.04
5. Emissions of particulate matter from the Walk-in Blast Unit (474-1) in Building 474 shall not exceed 0.236 lbs/hr.	Rule 335-3-14-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
2. Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p><u>Emission Monitoring</u></p> <p>1. As an indicator of compliance with the particulate and opacity emission limits, weekly visual observations of the stacks associated with these units (while the units are in operation) shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A shall be performed in order to verify that visible emissions have been reduced.</p> <p>In the event that a week goes by without the operation of these sources, a weekly visual inspection shall not be required.</p> <p>2. Reference the Appendix for the monitoring requirements for Units K4607 & J4744 per 40 CFR Part 64, "Compliance Assurance Monitoring".</p>	<p>Rule 335-3-16-.05(c)</p> <p>40 CFR Part 64</p>
<p><u>Recordkeeping and Reporting Requirements</u></p> <p>1. Records of the required weekly visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time, and results of the Method 9 observation performed by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up visual inspection.</p> <p>During weeks that this source is not in operation and a weekly visible observation is not required, it shall be recorded that the source was not in operation</p>	<p>Rule 335-3-16-.05(c)</p>

Summary Page for Woodworking Operations

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
B0005-1	Building 5 Carpentry Shop with Cyclone	PM	(See General Proviso 31)	Rule 335-3-4-.04(1)
B0005-1	Building 5 Carpentry Shop with Cyclone	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)
034	Building 127 Pallet Shop with Cyclone	PM	(See General Proviso 31)	Rule 335-3-4-.04(1)
034	Building 127 Pallet Shop with Cyclone	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)
B0379-1	Building 379 Pallet Operations with Cyclone	PM	(See General Proviso 31)	Rule 335-3-4-.04(1)
B0379-1	Building 379 Pallet Operations with Cyclone	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)
B0689-1	Building 689 Pallet Operations with Cyclone	PM	(See General Proviso 31)	Rule 335-3-4-.04(1)
B0689-1	Building 689 Pallet Operations with Cyclone	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)

Provisos for Woodworking Operations

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
<u>Emission Standards</u>	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Compliance and Performance Test Methods and Procedures</u>	
1. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
2. Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. Weekly visual observations of the cyclone stacks associated with these units (while the units are in operation) shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A shall be performed in order to verify that visible emissions have been reduced.	Rule 335-3-16-.05
In the event that a week goes by without the operation of this source, a weekly visual inspection shall not be required.	
<u>Recordkeeping and Reporting Requirements</u>	

Federally Enforceable Provisos**Regulations**

1. Records of the required weekly visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time, and results of the Method 9 observation performed by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up visual inspection.

During weeks that this source is not in operation and a weekly visible observation is not required, it shall be recorded that the source was not in operation.

Rule 335-3-16-.05

Summary Page for Building 114 Chrome Plating Operations

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
K4462	Bldg 114- Hard Chromium Electroplating Line 1 w/ Mesh-Pad Demister	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
K4462	Bldg 114- Hard Chromium Electroplating Line 1 w/ Mesh-Pad Demister	Chromium	0.015 milligrams of total chromium per dry standard cubic meter of ventilation air	40 CFR 63 Subpart N – National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks
K4461	Bldg 114- Hard Chromium Electroplating Line 2 w/ Mesh-Pad Demister	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-.04(1)
K4461	Bldg 114- Hard Chromium Electroplating Line 2 w/ Mesh-Pad Demister	Chromium	0.015 milligrams of total chromium per dry standard cubic meter of ventilation air	40 CFR 63 Subpart N – National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks

Provisos for Building 114 Chrome Plating Operations

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
2. These units are subject to the applicable requirements of 40 CFR Part 63 Subpart N, "National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks."	40 CFR 63.340 Rule 335-3-11-.06(13)
3. These units are subject to the General Provisions of 40 CFR Part 63 as described in Table 1 to Subpart N of 40 CFR Part 63- "General Provisions Applicability to Subpart N".	40 CFR 63.340(b)
<u>Emission Standards</u>	
1. During tank operation, the concentration of total chromium in the exhaust gas stream discharged to the atmosphere shall not exceed 0.015 milligrams of total chromium per dry standard cubic meter of ventilation air.	40 CFR 63.342(c)(1)(i)
2. The emission limit stated above applies only during tank operation, and also applies during periods of startup and shutdown as these are routine occurrences. The emission limit does not apply during periods of malfunction, but the work practice standards that address operation and maintenance and that are required by 40 CFR 63.342(f) must be followed during malfunctions.	40 CFR 63.342(b)
3. At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain these sources, including associated air pollution control devices and monitoring equipment, in a manner consistent with the Operation and Maintenance Plan required by 40 CFR 63.342(f)(3). Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the Operation and Maintenance Plan required by 40 CFR 63.342(f)(3). (3)	40 CFR 63.342(f)(1)(i) 40 CFR 63.341(f)(1)(ii)
<u>Compliance and Performance Test Methods and Procedures</u>	
1. Method 306 or 306A, "Determination of Chromium Emissions from Decorative and Hard Chromium Electroplating and Anodizing Operations," 40 CFR 63 Appendix A shall be used to determine the chromium concentration from these units.	40 CFR 63.344(c)(1)

Federally Enforceable Provisos	Regulations
2. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. As an indicator of compliance with the particulate and opacity emission limits, weekly visual observations of the stacks (while the units are in operation) shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A shall be performed in order to verify that visible emissions have been reduced.	Rule 335-3-16-.05(c)
In the event that a week goes by without the operation of these sources, a weekly visual inspection shall not be required	
2. Once per quarter, the permittee shall visually inspect each composite mesh-pad system to ensure there is proper drainage, no chronic acid build-up on the pads, and no evidence of chemical attack on the structural integrity of the devices.	Table 1 to 40 CFR 63 Subpart N
3. Once per quarter, the permittee shall visually inspect the back portion of each mesh pad closest to the fan to ensure there is no breakthrough of chromic acid mist.	Table 1 to 40 CFR 63 Subpart N
4. Once per quarter, the permittee shall visually inspect the ductwork from each tank to the control devices to ensure there are no leaks.	Table 1 to 40 CFR 63 Subpart N
5. The permittee shall perform washdowns of the composite mesh-pads in accordance with the manufacturer's recommendations.	Table 1 to 40 CFR 63 Subpart N

Federally Enforceable Provisos	Regulations
<p>6. The permittee shall monitor and record the pressure drop across the composite mesh-pad system once each day that the source is in operation. To be in compliance, the composite mesh-pad system shall be operated within ± 2 inches of water column of the pressure drop value established during the initial performance test, or shall be operated within the range of compliant values for pressure drop established during multiple performance tests.</p>	40 CFR 63.343(c)(1)(ii)
<p>7. The Operation and Maintenance Plan required by 40 CFR 63.342(f)(3) shall include the following elements:</p> <ul style="list-style-type: none"> (a) The plan shall specify the criteria for the source, the add-on air pollution control device, and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of this equipment, (b) The plan shall incorporate the work practice standards for the mesh-pad demister as identified in Table 1 of 40 CFR 63 Subpart N. (c) The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur; and (d) The plan shall include a systematic procedure for identifying malfunctions of process equipment, add-on air pollution control devices, and process control system monitoring equipment and for implementing corrective actions to address such malfunctions. 	40 CFR 63.342(f)(3)(i)
<p>If the Operation and Maintenance Plan fails to address or inadequately addresses an event that meets the definition of malfunction at the time the plan is initially developed, the permittee shall revise the Operation and Maintenance Plan within 45 days after such an event occurs. The revised Plan shall include procedures for operating and maintaining the process equipment, add-on air pollution control device, or monitoring equipment during similar malfunction events, and a program for corrective actions for such events</p>	40 CFR 63.342(f)(3)(ii)

Federally Enforceable Provisos	Regulations
<u>Recordkeeping and Reporting Requirements</u>	
<p>1. Records of the required weekly visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time, and results of the Method 9 observation performed by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up visual inspection</p>	Rule 335-3-16-.05(c)
<p>During weeks that these sources are not in operation and a weekly visible observation is not required, it shall be recorded that the source was not in operation.</p>	
<p>2. If actions taken by the permittee during periods of malfunction are inconsistent with the procedures specified in the Operation and Maintenance Plan required by 40 CFR 63.342(f)(3)(i), the permittee shall record the actions taken for that event and shall report by phone such actions within 2 working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within 7 working days after the end of the event, unless the permittee makes alternative reporting arrangements, in advance, with the Department.</p>	40 CFR 63.342(f)(3)(iv)
<p>3. The permittee shall keep the written Operation and Maintenance Plan on record to be made available for inspection, upon request, for the life of the source or until the source is no longer subject to the provisions of 40 CFR 63 Subpart N. In addition, if the Operation and Maintenance Plan is revised, the permittee shall keep previous (i.e., superceded) versions of the Operation and Maintenance Plan on record to be made available for inspection, upon request, for a period of 5 years after each revision to the Plan.</p>	40 CFR 63.342(f)(3)(v)

Federally Enforceable Provisos**Regulations**

4. The permittee shall maintain the following records for each source:

40 CFR 63.346(b)

- (a) Inspection records for the add-on air pollution control device and monitoring equipment, to document that the inspection and maintenance required by the work practice standards of 40 CFR 63.342(f) and Table 1 of 40 CFR 63.342 have taken place. The record can take the form of a checklist and should identify the device inspected, the date of the inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during the inspection;
- (b) Records of all maintenance performed on the source, the add-on air pollution control device, and monitoring equipment;
- (c) Records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control device, and monitoring equipment;
- (d) Records of actions taken during periods of malfunction when such actions are inconsistent with the Operation and Maintenance Plan;
- (e) Test reports documenting the results of all performance tests;
- (f) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the Operation and Maintenance Plan required by 40 CFR 63.342(f)(3);
- (g) All measurements as may be necessary to determine the conditions of performance tests, including measurements to determine compliance with the special compliance procedures of 40 CFR 63.344(e);
- (h) Records of monitoring data required by 40 CFR 63.343(c) that are used to demonstrate compliance with the standard, including the date and time the data are collected;
- (i) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control device, or monitoring equipment;
- (j) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control device, or monitoring equipment;
- (k) The total process operating time of the affected source during the reporting period; and
- (l) All documentation supporting the notifications and reports as required by 40 CFR 63.3, 63.10, and 63.247.

Federally Enforceable Provisos	Regulations
5. All records shall be maintained for a period of at least five years.	40 CFR 63.346(c)
<p>6. The permittee shall submit a summary report to demonstrate the ongoing compliance status of each source. The ongoing compliance status reports shall be submitted semi-annually, except when</p> <ul style="list-style-type: none"> (a) The Department determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source; or (b) The monitoring data collected by the permittee in accordance with 40 CFR 63.343(c) show that the emission limit has been exceeded, the permittee reports an exceedance, ongoing compliance reports shall be submitted quarterly until a request to reduce reporting frequency under 40 CFR 63.347(g)(2) is approved.in which case quarterly reports shall be submitted. Once 	40 CFR 63.347(g)
<p>7. If the permittee is required to submit ongoing compliance status reports on a quarterly (or more frequent) basis, the permittee may reduce the frequency of reporting to semi-annual if all of the following conditions are met:</p> <ul style="list-style-type: none"> (a) For one full year (e.g., 4 quarterly or 12 monthly reporting periods), the ongoing compliance status reports demonstrate that the source is in compliance with the relevant emission limit; (b) The permittee continues to comply with all applicable recordkeeping and monitoring requirements of Subpart A and Subpart N of 40 CFR 63; and (c) The Department does not object to a reduced reporting frequency. 	40 CFR 63.347(g)(2)(i)
<p>8. The frequency of submitting ongoing compliance status reports may be reduced only after the permittee notifies the Department in writing of his or her intention to make such a change, and the Department does not object to the intended change. If the Department disapproves the permittee's request to reduce the reporting frequency, the Department will notify the permittee in writing within 45 days after receiving notice of the permittee's intention. The notification from the Department will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.</p>	40 CFR 63.347(g)(2)(ii)

Federally Enforceable Provisos	Regulations
<p>9. As soon as the monitoring data required by 40 CFR 63.343(c) show that the source is not in compliance with the relevant emission limit, the frequency of reporting shall revert to quarterly, and the owner shall state this exceedance in the ongoing compliance status report for the next reporting period. After demonstrating ongoing compliance with the relevant emission limit for another full year, the permittee may again request approval from the Department to reduce the reporting frequency as allowed by 40 CFR 63.347(g)(2).</p>	<p>40 CFR 63.347(g)(2)(iii)</p>

Federally Enforceable Provisos	Regulations
<p>10. The ongoing compliance status reports shall include the following information:</p> <ul style="list-style-type: none"> (a) The company name and the address of the source; (b) An identification of the operating parameter that is monitored for compliance determination as required by 40 CFR 63.343(c); (c) The relevant emission limitation for the affected source, and the operating parameter value, or range of values, that correspond to compliance with the emission limitation as specified in the notification of compliance status required by 40 CFR 63.347(e); (d) The beginning and ending dates of the reporting period; (e) A description of the types of processes performed in the source; (f) The total operating time of the source during the reporting period; (g) A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emissions expressed as a percent of the total operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, control equipment malfunctions, other known causes, and unknown causes; (h) A certification by a responsible official, as defined in 40 CFR 63.2, that the work practice standards in 40 CFR 63.342(f) were followed in accordance with the Operation and Maintenance Plan for the source; (i) If the Operation and Maintenance Plan was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred, and a copy of the report(s) required by 40 CFR 63.342(f)(3)(iv) documenting that the Operation and Maintenance Plan was not followed; (j) A description of any changes in monitoring, processes, or controls since the last reporting period; (k) The name, title, and signature of the responsible official who is certifying the accuracy of the report; and (l) The date of the report. 	<p>40 CFR 63.347(g)(3)</p>

Summary Page for Engine Testing

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Bldg 128 – 1,2,3,4,5	Building 128 – Five Turbine Engine Test Cells	PM	NA	NA
Bldg 128 – 1,2,3,4,5	Building 128 – Five Turbine Engine Test Cells	SO ₂	NA	NA
Bldg 128 – 1,2,3,4,5	Building 128 – Five Turbine Engine Test Cells	NO _x	39.0 TPY & 635,000 gallons of diesel fuel or JP-8	Rule 335-3-14-.04
Bldg 128 – 1,2,3,4,5	Building 128 – Five Turbine Engine Test Cells	CO	NA	NA
Bldg 128 – 1,2,3,4,5	Building 128 – Five Turbine Engine Test Cells	VOC	NA	NA
Bldg 128 – X052	Building 128 –Turbine Engine Test Cell	PM	NA	NA
Bldg 128 – X052	Building 128 –Turbine Engine Test Cell	SO ₂	NA	NA
Bldg 128 – X052	Building 128 –Turbine Engine Test Cell	NO _x	246,761 gallons of diesel fuel or JP-8	Rule 335-3-14-.04
Bldg 128 – X052	Building 128 –Turbine Engine Test Cell	CO	NA	NA
Bldg 128 – X052	Building 128 –Turbine Engine Test Cell	VOC	NA	NA
Bldg 410 - 2,3,4,5,7, 8,9,13,14,15,17,18, 19	Building 410 – Reciprocating Engine Test Cells	PM	NA	NA
Bldg 410 - 2,3,4,5,7, 8,9,13,14,15,17,18, 19	Building 410 – Reciprocating Engine Test Cells	SO ₂	NA	NA
Bldg 410 - 3,4,5,7, 8,9,13,14,15,17,18, 19	Building 410 – Reciprocating Engine Test Cells	NO _x	NA	NA
Bldg 410 - 2	Building 410 – Reciprocating Engine Test Cells	NO _x	124,830 gallons of diesel fuel	Rule 335-3-14-.04
Bldg 410 - 2,3,4,5,7, 8,9,13,14,15,17,18, 19	Building 410 – Reciprocating Engine Test Cells	CO	NA	NA

Bldg 410 - 2,3,4,5,7,8,9,13,14,15,17,18,19	Building 410 – Reciprocating Engine Test Cells	VOC	NA	NA
Bldg 410 –10,11,12,16, 20	Building 410 – Turbine Engine Test Cells	PM	NA	NA
Bldg 410 –10,11,12,16, 20	Building 410 – Turbine Engine Test Cells	SO ₂	NA	NA
Bldg 410 –10,11,12,16, 20	Building 410 – Turbine Engine Test Cells	NO _x	NA	NA
Bldg 410 –10,11,12,16, 20	Building 410 – Turbine Engine Test Cells	CO	NA	NA
Bldg 410 –10,11,12,16, 20	Building 410 – Turbine Engine Test Cells	VOC	NA	NA
Bldg 467 - Cells:467-L & 467-R	Building 467 – One Reciprocating & One Turbine Engine Test Cells	PM	NA	NA
Bldg 467 - Cells:467-L & 467-R	Building 467 – One Reciprocating & One Turbine Engine Test Cell	SO ₂	NA	NA
Bldg 467 - Cells:467-L & 467-R	Building 467 – One Reciprocating & One Turbine Engine Test Cell	NO _x	NA	NA
Bldg 467 - Cells:467-L & 467-R	Building 467 – One Reciprocating & One Turbine Engine Test Cell	CO	NA	NA
Bldg 467 - Cells:467-L & 467-R	Building 467 – One Reciprocating & One Turbine Engine Test Cell	VOC	NA	NA
Bldg 474 - Cells: 1-7	Building 474 – Seven Reciprocating Engine Test Cells	PM	NA	NA
Bldg 474 - Cells: 1-7	Building 474 – Seven Reciprocating Engine Test Cells	SO ₂	NA	NA
Bldg 474 - Cells: 1-7	Building 474 – Seven Reciprocating Engine Test Cells	NO _x	34.0 TPY	Rule 335-3-14-.04
Bldg 474 - Cells: 1-7	Building 474 – Seven Reciprocating Engine Test Cells	CO	NA	NA
Bldg 474 - Cells: 1-7	Building 474 – Seven Reciprocating Engine Test Cells	VOC	3.72 TPY	Rule 335-3-14-.04

Provisos for Engine Testing

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
2. This source has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
3. These units are subject to the applicable requirements of 40 CFR Part 63 Subpart P, "National Emission Standards for Hazardous air Pollutants: Engine Test Cells/Stands."	40 CFR 63.9285
<u>Emission Standards</u>	
1. These units do not have to meet the requirements of 40 CFR 63 Subpart P or 40 CFR 60 Subpart A.	40 CFR 63.9290(b) 40 CFR 63.9290(d)(1)
2. Emissions of Nitrogen Oxides (NO _x) from the Five Turbine Engine Test Cells (Bldg 128 1-5) in Building 128 shall not exceed 39.0 tons in any consecutive rolling 12-month period.	Rule 335-3-14-.04
3. The Five Turbine Engine Test Cells (Bldg 128 1-5) in Building 128 shall consume no more than a total of 635,000 gallons of diesel fuel or JP-8 in any consecutive 12-month period.	Rule 335-3-14-.04
4. Turbine Engine Test Cell X052 in Building 128 shall consume no more than a total of 246,761 gallons of diesel fuel and JP-8 in any consecutive 12-month period.	Rule 335-3-14-.04
5. Test Cell #2 in Building 410 shall consume no more than a total of 124,830 gallons of diesel fuel in any consecutive 12-month period.	Rule 335-3-14-.04
6. Emissions of Nitrogen Oxides (NO _x) from the Seven Reciprocating Engine Test Cells in Building 474 shall not exceed 34.0 tons in any consecutive rolling 12-month period.	Rule 335-3-14-.04
7. Emissions of Volatile Organic Compounds (VOCs) from the Seven Reciprocating Engine Test Cells in Building 474 shall not exceed 3.72 tons in any consecutive rolling 12-month period.	Rule 335-3-14-.04

Federally Enforceable Provisos	Regulations
<u>Compliance and Performance Test Methods and Procedures</u>	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Emission Monitoring</u>	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Recordkeeping and Reporting Requirements</u>	
1. Records of monthly and twelve month rolling totals documenting the type and amount of fuel combusted in the Five Turbine Engine Test Cells in Building 128 shall be kept in permanent form suitable for inspection and these records must be maintained for a minimum of 5 years following the day of such record.	Rule 335-3-16-.05(c)
2. Records of monthly and twelve month rolling totals documenting the type and amount of fuel combusted in the Turbine Engine Test Cell X052 in Building 128 shall be kept in permanent form suitable for inspection and these records must be maintained for a minimum of 5 years following the day of such record.	Rule 335-3-16-.05(c)
3. Records of the monthly and twelve month rolling totals documenting the type and amount of fuel combusted in the Building 410 – Test Cell #2 shall be kept in permanent form suitable for inspection and these records must be maintained for a minimum of 5 years following the day of such record	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
<p>4. Records of monthly and rolling 12 month totals of all NO_x and VOCs emitted from the Building 474 Test Stands shall be recorded. Accurate and understandable records of consumption, which records at least the last five years of data, will be maintained in a permanent form suitable for inspection and be available immediately upon request. This facility shall provide a copy of records and supporting background documents upon request that pertain to its air permit. These records shall contain the following information:</p> <ul style="list-style-type: none"> (a) Engine horsepower of each engine tested. (b) The type, quantity in gallons of each fuel used each calendar month. (c) The emission factor used for determining the amount of NO_x and VOCs emitted. (d) The amount of NO_x and VOCs emitted each calendar month expressed in the units of pounds and tons. (e) The rolling 12-month total of all NO_x and VOCs emitted in the units of pounds and tons <p>A report summarizing the above information regarding NO_x and VOCs emitted from the Building 474 Test Stands shall be submitted for each calendar quarter by the 30th day of the month following the end of the quarter, in a format approved by the Department in advance</p>	<p>Rule 335-3-16-.05(c)</p>

Summary Page for Surface Coating Operations 1

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Bldg 008 Barcode 11552	Building 008 - Walk-in Paint Booth with Dry Filter	VOC	NA	NA
Bldg 008 Barcode 11552	Building 008 - Walk-in Paint Booth with Dry Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-04
Bldg 008 Barcode 11552	Building 008 - Walk-in Paint Booth with Dry Filter	HAPs	NA	NA
Bldg 058 Barcode 12718	Building 058 - Walk-in Paint Booth with Dry Filter	VOC	NA	NA
Bldg 058 Barcode 12718	Building 058 - Walk-in Paint Booth with Dry Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-04
Bldg 058 Barcode 12718	Building 058 - Walk-in Paint Booth with Dry Filter	HAPs	NA	NA
Bldg 117 # X054	Building 117 - Paint Booth with Particulate Filter	VOC	NA	NA
Bldg 117 # X054	Building 117 - Paint Booth with Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-04
Bldg 117 # X054	Building 117 - Paint Booth with Particulate Filter	HAPs	NA	NA
Bldg 143 Barcodes J2101 & J9041	Building 143 – 2 Drive-through Paint Booth with Dry Filter	VOC	NA	NA
Bldg 143 Barcodes J2101 & J9041	Building 143 – 2 Drive-through Paint Booth with Dry Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-04
Bldg 143 Barcodes J2101 & J9041	Building 143 – 2 Drive-through Paint Booth with Dry Filter	HAPs	NA	NA

Bldg 409 Barcodes G3738, 09385 & 09388	3 Walk-in Paint Booths with Particulate Filters	VOC	NA	NA
Bldg 409 Barcodes G3738, 09385 & 09388	3 Walk-in Paint Booths with Particulate Filters	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-04
Bldg 409 Barcodes G3738, 09385 & 09388	3 Walk-in Paint Booths with Particulate Filters	HAPs	NA	NA
Bldg 433 # X053	Building 433 - Paint Booth # 3 with Particulate Filter	VOC	NA	NA
Bldg 433 # X053	Building 433 - Paint Booth # 3 with Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-04
Bldg 433 # X053	Building 433 - Paint Booth # 3 with Particulate Filter	HAPs	NA	NA
Bldg 501 Barcodes E7634 & E7635	2 Drive-through Paint Booth with Particulate Filters	VOC	NA	NA
Bldg 501 Barcodes E7634 & E7635	2 Drive-through Paint Booth with Particulate Filters	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-04
Bldg 501 Barcodes E7634 & E7635	2 Drive-through Paint Booth with Particulate Filters	HAPs	NA	NA

Provisos for Surface Coating Operations 1

Federally Enforceable Provisos	Regulations
<u>Applicability</u> 1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
<u>Emission Standards</u> 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Compliance and Performance Test Methods and Procedures</u> 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Emission Monitoring</u> 1. The dry filters(s) associated with these sources shall be inspected on at least an annual basis to ensure maintenance is performed in such a manner as to minimize the emission of particulate matter.	Rule 335-3-16-.05(c)
<u>Recordkeeping and Reporting Requirements</u> 1. Records of the required dry filter inspections, along with records of any maintenance performed on the filter(s) shall be kept in a form suitable for inspection for at least five years following the date of generation of the record.	Rule 335-3-16-.05(c)

Summary Page for Surface Coating Operations 2

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Bldg 130 Barcode G3401	Building 130 - Walk-in Paint Booth with Dry Filter	VOC	39.5 TPY	Rule 335-3-14-.04
Bldg 130 Barcode G3401	Building 130 - Walk-in Paint Booth with Dry Filter	PM	1.80 TPY	Rule 335-3-14-.04
Bldg 130 Barcode G3401	Building 130 - Walk-in Paint Booth with Dry Filter	HAPs	NA	NA
Bldg 143 Barcode L4039	Building 143 – Paint Booth	VOC	39.5 TPY	Rule 335-3-14-.04
Bldg 143 Barcode L4039	Building 143 – Paint Booth	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-04
Bldg 143 Barcode L4039	Building 143 – Paint Booth	HAPs	9.5 TPY – Any Single HAP 24.5 TPY any combination of HAPs	Rule 335-3-14-.06
Bldg 433 Barcodes K0698 & K0723	2 Drive-through Paint Booths, each with a 3 Stage Particulate Filter	VOC	39.5 TPY	Rule 335-3-14-.04
Bldg 433 Barcodes K0698 & K0723	2 Drive-through Paint Booths, each with a 3 Stage Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-04
Bldg 433 Barcodes K0698 & K0723	2 Drive-through Paint Booths, each with a 3 Stage Particulate Filter	HAPs	9.5 TPY – Any Single HAP 23.5 TPY any combination of HAPs	Rule 335-3-14-.06
Bldg 433 Barcode J9027	Drive-through Paint Booth #4 with Particulate Filter	VOC	39.5 TPY	Rule 335-3-14-.04

Bldg 433 Barcode J9027	Drive-through Paint Booth #4 with Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-04
Bldg 433 Barcode J9027	Drive-through Paint Booth #4 with Particulate Filter	HAPs	9.5 TPY – Any Single HAP 24.5 TPY any combination of HAPs	Rule 335-3-14-.06
Bldg 474 #1 & #2	2 Walk-in Paint Booths with Particulate Filters	VOC	35.0 TPY	Rule 335-3-14-.04
Bldg 474 #1 & #2	2 Walk-in Paint Booths with Particulate Filters	PM	0.36 lbs/hr	Rule 335-3-14-.04
Bldg 474 #1 & #2	2 Walk-in Paint Booths with Particulate Filters	HAPs	9.0 TPY – Any Single HAP 23.5 TPY any combination of HAPs	Rule 335-3-14-.06
Bldg 499 Barcode G8729	Drive-through Paint Booth with Particulate Filter	VOC	39.5 TPY	Rule 335-3-14-.04
Bldg 499 Barcode G8729	Drive-through Paint Booth with Particulate Filter	PM	$E = 3.59P^{0.62}$	Rule 335-3-4-04
Bldg 499 Barcode G8729	Drive-through Paint Booth with Particulate Filter	HAPs	9.5 TPY – Any Single HAP 24.5 TPY any combination of HAPs	Rule 335-3-14-.06

Provisos for Surface Coating Operations 2

Federally Enforceable Provisos	Regulations
<p><u>Applicability</u></p> <ol style="list-style-type: none"> 1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits." 2. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]". 	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-14-.04</p>
<p><u>Emission Standards</u></p> <ol style="list-style-type: none"> 1. Emissions of Volatile Organic Compounds (VOCs) from all operations at the Building 130 Paint Booth (G3401) including but not limited to surface coating, storage, cleanup, etc., shall not exceed 39.5 tons in any consecutive rolling 12-month period, based on the premise that all VOCs applied are emitted. 2. Emissions of Particulate matter (PM) from the Building 130 Paint Booth (G3401) shall not exceed 1.80 tons in any consecutive rolling 12-month period, based on the percent weight of solids in the paint after applying transfer and control efficiencies. 3. Emissions of Volatile Organic Compounds (VOCs) from all operations at the Building 143 Paint Booth L4039 but not limited to surface coating, storage, cleanup, etc., shall not exceed 39.5 tons in any consecutive rolling 12-month period, based on the premise that all VOCs applied are emitted. 4. Emissions of Hazardous Air Pollutants (HAPs) from all operations at the Building 143 Paint Booth L4039 including but not limited to surface coating, storage, cleanup, etc., shall not exceed 9.5 tons of any single HAPs or 24.5 tons of any combination of HAPs in any consecutive rolling 12-month period, based on the premise that all HAPs applied are emitted 5. Emissions of Volatile Organic Compounds (VOCs) from all operations at the Building 433 Paint Booths K0698 and K0723 including but not limited to surface coating, storage, cleanup, etc., shall not exceed 39.5 tons in any consecutive rolling 12-month period, based on the premise that all VOCs applied are emitted. 	<p>Rule 335-3-14-.04</p> <p>Rule 335-3-14-.04</p> <p>Rule 335-3-14-.04</p> <p>Rule 335-3-14-.06</p> <p>Rule 335-3-14-.04</p>

Federally Enforceable Provisos	Regulations
6. Emissions of Hazardous Air Pollutants (HAPs) from all operations at the Building 433 Paint Booths K0698 and K0723 including but not limited to surface coating, storage, cleanup, etc., shall not exceed 9.5 tons of any single HAPs or 23.5 tons of any combination of HAPs in any consecutive rolling 12-month period, based on the premise that all HAPs applied are emitted.	Rule 335-3-14-.06
7. Emissions of Volatile Organic Compounds (VOCs) from all operations at the Building 433 Paint Booth J9027 but not limited to surface coating, storage, cleanup, etc., shall not exceed 39.5 tons in any consecutive rolling 12-month period, based on the premise that all VOCs applied are emitted.	Rule 335-3-14-.04
8. Emissions of Hazardous Air Pollutants (HAPs) from all operations at the Building 433 Paint Booth J9027 including but not limited to surface coating, storage, cleanup, etc., shall not exceed 9.5 tons of any single HAPs or 24.5 tons of any combination of HAPs in any consecutive rolling 12-month period, based on the premise that all HAPs applied are emitted	Rule 335-3-14-.06
9. Emissions of particulate matter from the Building 474 Paint Booths No. 1 & 2 shall not exceed a total of 0.36 lbs/hr.	Rule 335-3-14-.04
10. Emissions of Volatile Organic Compounds (VOCs) from all operations at the Building 474 Paint Booths Nos. 1 & 2 including but not limited to surface coating, storage, cleanup, etc., shall not exceed 35.0 tons in any consecutive rolling 12-month period, based on the premise that all VOCs applied are emitted.	Rule 335-3-14-.04
11. Emissions of Hazardous Air Pollutants (HAPs) from all operations at the Building 474 Paint Booths Nos. 1 & 2 including but not limited to surface coating, storage, cleanup, etc., shall not exceed 9.0 tons of any single HAPs or 23.5 tons of any combination of HAPs in any consecutive rolling 12-month period, based on the premise that all HAPs applied are emitted.	Rule 335-3-14-.06
12. Emissions of Volatile Organic Compounds (VOCs) from all operations at the Building 499 Paint Booth G8729 but not limited to surface coating, storage, cleanup, etc., shall not exceed 39.5 tons in any consecutive rolling 12-month period, based on the premise that all VOCs applied are emitted.	Rule 335-3-14-.04
13. Emissions of Hazardous Air Pollutants (HAPs) from all operations at the Building 499 Paint Booth G8729 including but not limited to surface coating, storage, cleanup, etc., shall not exceed 9.5 tons of any single HAPs or 24.5 tons of any combination of HAPs in any consecutive rolling 12-month period, based on the premise that all HAPs applied are emitted.	Rule 335-3-14-.06

Federally Enforceable Provisos	Regulations
<u>Compliance and Performance Test Methods and Procedures</u>	
1. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
2. Method 24 of 40 CFR Part 60, Appendix A shall be used in the determination of volatile organic compound emissions.	Rule 335-3-1-.05
3. Method 311 of 40 CFR Part 63, Appendix A shall be used in the determination of volatile hazardous air pollutant emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. The dry filters(s) associated with these sources shall be inspected on at least an annual basis to ensure maintenance is performed in such a manner as to minimize the emission of particulate matter.	Rule 335-3-16-.05(c)
<u>Recordkeeping and Reporting Requirements</u>	
1. Accurate and understandable records, concerning VOC, PM, and HAP emissions shall be kept in a form suitable for inspection for at least 5 years following the date of the record. These records will be made available immediately upon request and will contain the following information: <ul style="list-style-type: none"> (a) The type, quantity in gallons, and weight in lbs, of each VOC and HAP containing materials used each calendar month. (b) The HAP content by weight (in pounds per gallon) of each coating used shall be determined using EPA Test Method 311, as defined in 40 CFR 63, Appendix A, or equivalent vendor data approved by the Department in advance. The VOC content by weight (in pounds per gallon) of each VOC containing material used, determined by using EPA Test Method 24, as defined in 40 CFR 60, Appendix A, or equivalent vendor data approved by the Department in advance. The VOC content of coatings may be determined by test method on a random basis to verify formulation data and such other times as the Department may request; (c) The percent by volume and percent by weight of VOCs, HAPs, solids, water, and content of each VOC and HAP containing materials used each calendar month. 	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
<p>(d) Complete inventories of VOC and HAP containing materials (their usage with VOC and HAP content) shall be made at the end of each calendar month. Compliance with VOC, HAP, and PM limits shall be based upon these monthly materials use inventories and the use and control efficiency of the particulate filters. Emissions calculations and records will also incorporate the use and control efficiency of the particulate filters.</p> <p>(e) The transfer efficiency of each coating operation and control efficiencies for all control devices. Total PM emissions shall be calculated based on these efficiencies;</p> <p>(f) The amount of VOCs, HAPs, and PM emitted each calendar month expressed in the units of pounds and tons.</p> <p>(g) The rolling 12-month total of VOCs, HAPs, and PM emitted in the units of pounds and tons.</p> <p>2. Records of the required dry filter inspections, along with records of any maintenance performed on the filter(s) shall be kept in a form suitable for inspection for at least five years following the date of generation of the record.</p>	<p>Rule 335-3-16-.05(c)</p>

Summary Page for Open Burning/Open Detonation

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
OB/OD	Open Burning/Open Detonation	PM	NA	NA
OB/OD	Open Burning/Open Detonation	SO ₂	NA	NA
OB/OD	Open Burning/Open Detonation	NO _x	NA	NA
OB/OD	Open Burning/Open Detonation	CO	NA	NA
OB/OD	Open Burning/Open Detonation	VOC	NA	NA
OB/OD	Open Burning and Open Detonation	HAPs	NA	NA

Provisos for Open Burning/Open Detonation

Federally Enforceable Provisos	Regulations
<u>Applicability</u> 1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
<u>Emission Standards</u> 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Compliance and Performance Test Methods and Procedures</u> 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Emission Monitoring</u> 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Recordkeeping and Reporting Requirements</u> 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A

Summary Page for Gasoline Dispensing Facilities – Stage 1

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
78	10,000 Gallon Under Ground Gasoline Storage Tank	VOC	N/A	Rule 335-3-6-.07
422	10,000 Gallon Under Ground Gasoline Storage Tank	VOC	N/A	Rule 335-3-6-.07

Provisos for Gasoline Dispensing Facilities – Stage 1

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, “Major Source Operating Permits.”	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin Code R. 335-3-6-.07, “Gasoline Dispensing Facilities- Stage I.”	Rule 335-3-6-.07
<u>Emission Standards</u>	
1. The permittee shall not transfer, cause , or allow the transfer of gasoline from any gasoline tank truck into these units unless the tanks are equipped with a submerged fill pipe and the vapors displaced from the storage tanks during filling are processed by vapor control system in accordance with ADEM Admin. Code R. 335-3-6-.07(4).	Rule 335-3-6-.07(3)
2. The permittee shall not permit the transfer of gasoline between a gasoline tank truck and these units unless the gasoline tank truck complies with ADEM Admin. Code R. 335-3-6-.20 and the vapor control system is connected and operating in accordance with ADEM Admin Code R. 335-3-6-.07(4).	Rule 335-3-6-.07(5)(a)
3. The permittee shall not cause or allow gasoline to be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation of the gasoline to the atmosphere.	Rule 335-3-6-.07(6)
<u>Compliance and Performance Test Methods and Procedures</u>	
1. In the event that testing is required by ADEM, the permittee shall demonstrate compliance with the emission standards above by following procedures outlined in Section 12 of ADEM Admin. Code R. 335-3-6-.16, “Testing and Monitoring Procedures for Leaks from Gasoline Tank Trucks and Vapor Collection Systems.”	Rule 335-3-6-.20(5)(a)2
<u>Emission Monitoring</u>	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A

Federally Enforceable Provisos	Regulations
<u>Recordkeeping and Reporting Requirements</u> 1. The permittee shall maintain written records of the monthly throughput quantities in gallons in these units for a minimum of five years after the date on which the documents were made. These records will be made available to the Department upon request.	Rule 335-3-6-.07(5)(b)

Summary Page for Bulk Gasoline Plant

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Building 6(1)	Building 6 - 20,000 Gallon Underground Gasoline Storage Tank	VOC	N/A	335-3-6-.05 335-3-6-.07
Building 6(2)	Building 6 - 20,000 Gallon Underground Gasoline Storage Tank	VOC	N/A	335-3-6-.05 335-3-6-.07
Building 6(3)	Building 6 - 20,000 Gallon Underground Gasoline Storage Tank	VOC	N/A	335-3-6-.05 335-3-6-.07

Provisos for Bulk Gasoline Plant

Federally Enforceable Provisos	Regulations
<u>Applicability</u> <ol style="list-style-type: none"> 1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits." 2. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.05, "Bulk Gasoline Plants." 3. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-6-.07, "Gasoline Dispensing Facilities – Stage I." 	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-6-.05(2)</p> <p>Rule 335-3-6-.07(2)</p>
<u>Emission Standards</u> <ol style="list-style-type: none"> 1. The permittee shall not permit the unloading of gasoline into stationary storage tanks unless each tank is equipped with a vapor balance system as described in ADEM Admin. Code R. 335-3-6-.05(6) and approved by the director; and <ol style="list-style-type: none"> (a) each tank is equipped with a submerged fill pipe, approved by the Director; or (b) each tank is equipped with a fill line whose discharge opening is not over 18 inches from the bottom of the tank. 2. The permittee shall not permit the unloading of tank trucks or trailers at a bulk gasoline plant unless each tank truck or trailer is equipped with a vapor balance system as described in ADEM Admin. Code R. 335-3-6-.05(6) and complies with ADEM Admin. Code R. 335-3-6-.20(3) 3. The permittee shall not transfer, cause, or allow the transfer of gasoline from any gasoline tank truck into these units unless the tank is equipped with a submerged fill pipe and the vapors displaced from the storage tank during filling are processed by a vapor control system in accordance with ADEM Admin. Code R. 335-3-6-.07(4). 	<p>Rule 335-3-6-.05(3)</p> <p>Rule 335-3-6-.05(4)</p> <p>Rule 335-3-6-.07(3)</p>

Federally Enforceable Provisos	Regulations
<p>4. The permittee shall not allow the transfer of gasoline between tank truck or trailer and stationary storage tank unless:</p> <ul style="list-style-type: none"> (a) The transfer is conducted in accordance with the “Emissions Standards” above, and (b) The vapor balance system is in good working order and is connected and operating; and (c) Gasoline tank truck or trailer hatches are covered at all times during unloading operations; and (d) There are no leaks in the tank trucks’ and trailers’ pressure/vacuum relief valves and hatch covers, or the truck tanks or storage tanks, or associated vapor and liquid lines during unloading; and (e) The pressure relief valves on above-ground storage vessels and tank trucks or trailers are set to release at no less than 4.8 kPA (0.7 psia) or the highest possible pressure (in accordance with state or local fire codes or the National Fire Prevention Association guidelines); and (f) The gasoline truck or trailer has a valid Department Air Sticker as required by Rule 335-3-6-.20(4) attached and visibly displayed. 	<p>Rule 336-3-6-.05(5)</p>
<p>5. The permittee shall not permit the loading of gasoline into tank trucks or trailers that are returning with vapors from gasoline dispensing facilities affected by ADEM Admin. Code R. 335-3-6-.07 unless each tank truck or trailer and the stationary storage tank is equipped with a vapor balance system as described in ADEM Admin. Code R. 335-3-6-.06(6) and complies with ADEM Admin. Code 335-3-6-.20(3) and</p> <ul style="list-style-type: none"> (a) equipment is available at the bulk gasoline plant to provide for the submerged filling of each tank truck or trailer; or (b) each tank truck or trailer is equipped for bottom filling. 	<p>Rule 335-3-6-.05(7)</p>
<p>6. The permittee shall not cause or allow gasoline to be spilled, discarded in sewers, stored in open containers, or handled in any other manner that would result in evaporation of the gasoline to the atmosphere.</p>	<p>Rule 335-3-6.05(8) Rule 335-3-6-.07(5)(c)</p>

Federally Enforceable Provisos	Regulations
<u>Compliance and Performance Test Methods and Procedures</u>	
1. In the event that testing is required by ADEM, the permittee shall demonstrate compliance with the emission standards above by following procedures outlined in Section 12 of ADEM Admin. Code R. 335-3-6-.16, "Testing and Monitoring Procedures for Leaks from Gasoline Tank Trucks and Vapor Collection Systems."	Rule 335-3-6-.20(5)(a)2
<u>Emission Monitoring</u>	
2. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Recordkeeping and Reporting Requirements</u>	
1. Records of the amount of gasoline loaded to and unloaded from these units shall be maintained. These records shall be maintained in a form suitable for inspection for at least 5 years after the date of the record.	Rule 335-3-6-.07(5)(b)

Summary Page for TCE Batch Vapor Degreasing

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
129	Bldg 129– Trichloroethylene Batch Vapor Degreaser	Trichloroethylene	See 40 CFR 60.463, 40 CFR 60.464, and 40 CFR 60.471	40 CFR Part 63 Subpart T
409	Bldg 409 – Trichloroethylene Batch Vapor Degreaser	Trichloroethylene	See 40 CFR 60.463, 40 CFR 60.464, and 40 CFR 60.471	40 CFR Part 63 Subpart T

Provisos for TCE Batch Vapor Degreasing

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of 40 CFR 63 Subpart T- "National Emission Standards for Halogenated Solvent Cleaning".	40 CFR 63 Subpart T Rule 335-3-11-.06(19)
3. These sources are subject to the General Provisions of 40 CFR Part 63 as described in Appendix B to 40 CFR 63 Subpart T – "General Provisions Applicability to Subpart T".	40 CFR 63.460(b)
<u>Emission Standards</u>	
1. These sources shall meet the emissions and/or work practice standards as stated in 40 CFR 63.463 or 40 CFR 63.464 and the applicable facility wide emissions limits in 40 CFR 63.471.	40 CFR 63.463 40 CFR 63.464 40 CFR 63.471
2. Facility-wide emissions of Trichloroethylene (TCE) shall not exceed 23,500 kg in any consecutive rolling 12-month period based on the procedures in 40 CFR 63.471(c).	40 CFR 63.471(b)
3. Each Batch Vapor Degreaser shall conform to the following design requirements:	40 CFR 63.463(a)
(a) Each cleaning machine shall be designed or operated with either an idling and downtime mode cover, as described in 40 CFR 63.463(d)(1)(i), that may be readily opened or closed, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects, or a reduced room draft as described in 40 CFR 63.463(e)(2)(ii).	
(b) Each cleaning machine shall have a freeboard ratio of 0.75 or greater.	
(c) Each cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.	

Federally Enforceable Provisos	Regulations
<p>(d) Each vapor cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils. This requirement does not apply to a vapor cleaning machine that uses steam to heat the solvent.</p> <p>(e) Each vapor cleaning machine shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.</p> <p>(f) Each vapor cleaning machine shall have a primary condenser.</p> <p>(g) Each cleaning machine that uses a lip exhaust shall be designed and operated to route all collected solvent vapors through a properly operated and maintained carbon adsorber that meets the requirements of 40 CFR 63.463(e)(2)(vii).</p> <p>4. The Permittee shall either employ one of the control combinations listed in Table 2 of 40 CFR 63.463(b)(2)(i) or demonstrate that their solvent cleaning machine can achieve and maintain an idling emission limit of 0.22 kilograms per hour per square meter of solvent/air interface area as determined using the procedures in 40 CFR 63.465(a) and appendix A of 40 CFR 63.</p> <p>5. The Permittee shall meet all of the required work and operational practices specified in 40 CFR 63.463(d)(1) – (12) as applicable.</p> <p>6. The Permittee shall determine during each monitoring period whether each control device used to comply with the applicable emission standards meets the requirements specified in 40 CFR 63.463(e)(2)(i) – (xi).</p> <p>If any of the requirements specified in 40 CFR 63.463(e)(2)(i) – (xi) are not met, the Permittee shall determine whether an exceedance has occurred using the criteria in 40 CFR 63.463(e)(3)(i) – (ii), and report all exceedances and corrections made to avoid an exceedance as specified in 40 CFR 63.468(h).</p> <p>7. The Permittee complying with the idling emission limit standard in 40 CFR 63.463 shall comply with the requirements in 40 CFR 63.463(f)(1)-(5).</p>	<p></p> <p>40 CFR 63.463(b)(2)</p> <p>40 CFR 63.463(d)</p> <p>40 CFR 63.463(e)</p> <p>40 CFR 63.463(f)</p>
<u>Compliance and Performance Test Methods and Procedures</u>	
<p>1. These sources shall meet the Test Methods and Procedures as stated in 40 CFR 63.465.</p>	<p>40 CFR 63.465</p>

Federally Enforceable Provisos	Regulations
2. EPA Reference Method 307 in Appendix A of CFR; Title 40, Part 63 will be used for any testing conducted to determine compliance with the idling emission rate standard in 40 CFR 63.463.	40 CFR 63.465(a)
3. The procedures in 40 CFR 63.465(e)(1) – (3) shall be used to determine the potential to emit from all solvent cleaning operations.	40 CFR 63.465(e)
4. The procedures in 40 CFR 63.471(c)(1)-(5) shall be used to determine compliance with the facility-wide emission limits in 40 CFR 63.471.	40 CFR 63.471(c)
<u>Emission Monitoring</u>	
1. Emission monitoring for these units shall consist of the monitoring required by 40 CFR 63.463, 40 CFR 63.466 and 40 CFR 63.471.	40 CFR 60.463 40 CFR 63.466 40 CFR 63.471
2. The Permittee complying with the equipment standards in 40 CFR 63.463 shall conduct the following monitoring on a weekly basis, as appropriate: (a) If a freeboard refrigeration device is used to comply with these standards, the owner or operator shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode (b) If a superheated vapor system is used to comply with these standards, the owner or operator shall use a thermometer or thermocouple to measure the temperature at the center of the superheated solvent vapor zone while the solvent cleaning machine is in the idling mode. (c) If a squeegee system, air knife system, or combination squeegee and air knife system is used to comply with the requirements of 40 CFR 63.463(g) or (h), the owner or operator shall visually inspect the continuous web part exiting the solvent cleaning machine to ensure that no solvent film is visible on the part.	40 CFR 63.466(a)

Federally Enforceable Provisos	Regulations
<p>(d) Except as provided in 40 CFR 63.466(a)(5), if a superheated part system is used to comply with the requirements of 40 CFR 63.463(g) or (h), the owner or operator shall use a thermometer, thermocouple, or other temperature measurement device to measure the temperature of the continuous web part while it is in the solvent cleaning machine. This measurement can also be taken at the exit of the solvent cleaning machine.</p> <p>(e) As an alternative to complying 40 CFR 63.466(a)(4), the owner or operator can provide data, sufficient to satisfy the Administrator, that demonstrate that the part temperature remains above the boiling point of the solvent at all times that the part is within the continuous web solvent cleaning machine. This data could include design and operating conditions such as information supporting any exothermic reaction inherent in the processing.</p> <p>3. If a cover (working-mode, downtime-mode, and/or idling-mode cover) is used to comply with the equipment standards in 40 CFR 63.463, the owner or operator shall conduct a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.</p>	<p>40 CFR 63.466(b)(1)</p>

Federally Enforceable Provisos	Regulations
<p>4. The Permittee complying with the equipment or idling standards in 40 CFR 63.463 shall monitor the hoist speed as described in the following paragraphs:</p> <ul style="list-style-type: none"> (a) The owner or operator shall determine the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute). (b) The monitoring shall be conducted monthly. If after the first year, no exceedances of the hoist speed are measured, the owner or operator may begin monitoring the hoist speed quarterly. (c) If an exceedance of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated. (d) If an owner or operator can demonstrate to the Administrator's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including during the first year of compliance. 	<p>40 CFR 63.466(c)</p>
<p>5. The Permittee complying with the equipment standards in 40 CFR 63.463 using a reduced room draft shall conduct the following monitoring, as appropriate:</p> <ul style="list-style-type: none"> (a) If an enclosure (full or partial) is used to achieve a reduced room draft, the owner or operator shall conduct an initial monitoring test and, thereafter, monthly monitoring tests of the windspeed within the enclosure using the procedure specified in 40 CFR 63.466(d)(2)(i) and (d)(2)(ii) of this section and a monthly visual inspection of the enclosure to determine if it is free of cracks, holes and other defects. 	<p>40 CFR 63.466(d)</p>
<p>6. The facility must maintain a log of solvent additions and deletions for each solvent cleaning machine.</p>	<p>40 CFR 63.471(b)(1)</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. Recordkeeping and reporting requirements for these units shall be the recordkeeping and reporting required by 40 CFR 63.467, 40 CFR 63.468, and 40 CFR 63.471</p>	<p>40 CFR 63.467 40 CFR 63.468</p>

Federally Enforceable Provisos	Regulations
2. The Permittee shall submit an initial notification no later than May 3, 2010. This report shall include the information specified in paragraphs 40 CFR 63.471(f)(1)-(5).	40 CFR 63.471(f)
3. The Permittee shall submit an initial statement of compliance on or before May 3, 2010. The statement shall include the information specified in paragraphs 40 CFR 63.471(g)(1)-(g)(3).	40 CFR 63.471(g)
4. The Permittee complying with the provisions in 40 CFR 63.463 shall maintain the following records in written or electronic form for the lifetime of the machine: <ul style="list-style-type: none"> <li data-bbox="256 674 1070 775">(a) Owner's manuals, or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment. <li data-bbox="256 779 1070 976">(b) The date of installation for the solvent cleaning machine and all of its control devices. If the exact date for installation is not known, a letter certifying that the cleaning machine and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted. <li data-bbox="256 981 1070 1115">(c) If a dwell is used to comply with these standards, records of the tests required in 40 CFR 63.465(d) to determine an appropriate dwell time for each part or parts basket. <li data-bbox="256 1120 1070 1317">(d) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the idling emission limit standards of 40 CFR 63.463 shall maintain records of the initial performance test, including the idling emission rate and values of the monitoring parameters measured during the test. <li data-bbox="256 1321 1070 1424">(e) Records of the halogenated HAP solvent content for each solvent used in a solvent cleaning machine subject to the provisions of 40 CFR Part 63 Subpart T. 	40 CFR 63.467(a)

Federally Enforceable Provisos	Regulations
<p>5. The Permittee complying with the provisions in 40 CFR 63.463 shall maintain the following records in written or electronic format for a period of five years:</p> <ul style="list-style-type: none"> (a) The results of control device monitoring required under 40 CFR 63.466 (b) Information on the actions taken to comply with 40 CFR 63.463(e) and (f). This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels. (c) Estimates of annual solvent consumption for each solvent cleaning machine. 	40 CFR 63.467(b)
<p>6. The Permittee shall maintain the following records in written or electronic format for a period of five years:</p> <ul style="list-style-type: none"> (a) The dates and amounts of solvent that are added to each solvent cleaning machine. (b) The solvent composition of wastes removed from each solvent cleaning machines as determined using the procedure described in paragraph 40 CFR 63.471(c)(3). (c) Calculation sheets showing how monthly emissions and the 12-month rolling total emissions from each solvent cleaning machine were determined, and the results of all calculations. 	40 CFR 63.471(e)
<p>7. The Permittee shall submit a solvent emission report every year. This report shall include the following:</p> <ul style="list-style-type: none"> (a) The average monthly solvent consumption for the affected facility in kilograms per month. (b) The 12-month rolling total solvent emission estimates calculated each month using the method as described in 40 CFR 63.471(c). (c) This report can be combined with the annual report required in 40 CFR 63.468(f) and (g) into a single report for each facility. 	40 CFR 63.471(h)

Federally Enforceable Provisos	Regulations
<p>8. The Permittee complying with the provisions in 40 CFR 63.463 shall submit an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the following:</p> <ul style="list-style-type: none"> (a) A signed statement from the facility owner or his designee stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in 40 CFR 63.463(d)(10)." (b) An estimate of solvent consumption for each solvent cleaning machine during the reporting period. 	<p>40 CFR 63.468(f)</p>
<p>9. The Permittee shall submit an exceedance report to the Department semiannually except when, the Department determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the Permittee shall follow a quarterly reporting. Exceedance reports shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the following applicable information:</p> <ul style="list-style-type: none"> (a) Information on the actions taken to comply with 40 CFR 63.463 (e) and (f). This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels. (b) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken. (c) If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report. 	<p>40 CFR 63.468(h)</p>

Summary Page for Non-HAP Batch Vapor Degreasing

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
033	Building 128 Non-HAP Solvent Vapor Degreasing	VOC	NA	NA

Provisos for Non-HAP Batch Vapor Degreasing

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
<u>Emission Standards</u>	
1. The solvent used in this unit shall contain no Hazardous Air Pollutants, as defined in ADEM Admin. Code R. 335-3, Appendix G.	Rule 335-3-11-.06
<u>Compliance and Performance Test Methods and Procedures</u>	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos	N/A
<u>Emission Monitoring</u>	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Recordkeeping and Reporting Requirements</u>	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A

Summary Page for NPX Vats in Buildings 114 & 409

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Vat 120	NPX Vat 120 – Building 114	Methylene Chloride	NA	NA
Vat 9	NPX Vat 9 – Building 409	Methylene Chloride	NA	NA
2200 Gal Vat	2200 Gallon NPX Vat– Building 409	Methylene Chloride	NA	NA

Provisos for NPX Vats in Buildings 114 & 409

Federally Enforceable Provisos	Regulations
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<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
<u>Emission Standards</u>	
1. These sources are subject to no additional specific emission standards other than those listed in the General Permit Provisos.	N/A
<u>Compliance and Performance Test Methods and Procedures</u>	
1. These sources are subject to no additional specific requirement other than those listed in the General Provisos	N/A
<u>Emission Monitoring</u>	
1. These sources are subject to no additional specific requirement other than those listed in the General Provisos.	N/A
<u>Recordkeeping and Reporting Requirements</u>	
1. These sources are subject to no additional specific requirement other than those listed in the General Provisos.	N/A

Summary Page for NPX Vat in Building 474 (L6006)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
L6006	NPX Vat – Building 474	Methylene Chloride	NA	NA

Provisos for NPX Vat in Building 474(L6006)

Federally Enforceable Provisos	Regulations
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<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
<u>Emission Standards</u>	
1. This vat (L6006) shall be equipped with a tightly fitting cover that shall be closed at all times, except when parts are inserted or removed and when vat service/maintenance is being performed.	Rule 335-3-14-.01(g)
<u>Compliance and Performance Test Methods and Procedures</u>	
1. This source is subject to no additional specific requirement other than those listed in the General Provisos	N/A
<u>Emission Monitoring</u>	
1. The Permittee shall perform a weekly inspection to verify that the vat cover fits tightly and closes properly.	Rule 335-3-16-.05
<u>Recordkeeping and Reporting Requirements</u>	
1. Records of the required weekly inspection shall be maintained and should be readily available for inspection for a period of five years.	Rule 335-3-16-.05

Summary Page for NPX Vat in Building 130

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
NPX Vats 10 and 12	Bldg 130- NPX Vats 10 and 12	Methylene Chloride	N/A	N/A

Provisos for NPX Vats in Building 130

Federally Enforceable Provisos	Regulations
<p><u>Applicability</u></p> <ol style="list-style-type: none"> 1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits." 2. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-14-.06, "Requirements for Control Technology [Determination for Major Sources in Accordance with Clean Air Act Section 112(g)." <p><u>Emission Standards</u></p> <ol style="list-style-type: none"> 1. Each vat shall be equipped with a tightly fitting cover that shall be closed at all times, except when parts are inserted, removed and vat servicing/maintenance is performed. The fill line shall be set to where there will be a freeboard ratio of 0.75 or greater. The freeboard ratio shall be calculated by determining the ratio between the freeboard height (the distance from the vat liquid level, as measured when no parts are submerged, to the top of the machine) to the smaller interior dimension (length, width, or diameter) of the vat. 2. The following work practice standards shall be adhered to: <ol style="list-style-type: none"> (a) Collect waste solvent and store it in closed containers (b) Flush parts only within the freeboard area (c) Drain parts for 15 seconds (d) Do not overfill the tank (e) Wipe up spills with rags and store them in a covered container (f) Control agitation in the tank with no splashing (g) When the vat cover is open, prevent room drafts greater than 132 feet per minute. Measure room drafts between 3.3 and 6.6 feet upwind and at the same elevation as the vat lip. (h) Do not clean sponges, fabric, wood or paper products <p>Vat operators shall be properly trained on the above work practice standards.</p> <p><u>Compliance and Performance Test Methods and Procedures</u></p> <ol style="list-style-type: none"> 1. This source is subject to no additional specific requirement other than those listed in the General Provisos 	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-14-.06</p> <p>Rule 335-3-14-.06</p> <p>Rule 335-3-14-.06</p> <p>N/A</p>

Federally Enforceable Provisos	Regulations
<u>Emission Monitoring</u>	
1. The Permittee shall perform weekly inspections to verify that the cleaning solvent level is at or below the fill line.	Rule 335-3-16-.05
2. The Permittee shall perform weekly inspections to verify that the vat covers fit tightly and close properly.	Rule 335-3-16-.05
<u>Recordkeeping and Reporting Requirements</u>	
1. The Permittee shall maintain a record of vat operator training and all weekly inspections, and shall maintain these records in a form suitable for inspections for a period of 5 years.	Rule 335-3-16-.05

Summary Page for Scrap Metal Flashing Furnace

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
036	Scrap Metal Flashing Furnace	PM	0.10 lbs/100 lbs charge or the allowable set by $E=3.59(P)^{0.62}$	Rule 335-3-3-.02 Rule 335-3-4-.04
036	Scrap Metal Flashing Furnace	SO ₂	15ppm sulfur content	Rule 335-3-14-.04
036	Scrap Metal Flashing Furnace	NO _x	NA	NA
036	Scrap Metal Flashing Furnace	CO	NA	NA
036	Scrap Metal Flashing Furnace	VOC	NA	NA
036	Scrap Metal Flashing Furnace	HCL	NA	NA
036	Scrap Metal Flashing Furnace	Opacity	(See General Proviso 29)	335-3-4-.01(1)

Provisos for Scrap Metal Flashing Furnace

Federally Enforceable Provisos	Regulations
<u>Applicability</u> <ol style="list-style-type: none"> These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits." This source has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]". 	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-14-.04</p>
<u>Emission Standards</u> <ol style="list-style-type: none"> Emissions of particulate matter shall not exceed 0.10 pounds per 100 pounds charge to the furnace or the allowable set by 335-3-4-.04. This unit shall burn only propane, natural gas, or fuel oil as fuel. The sulfur content of the fuel oil shall not exceed 15ppm by weight. 	<p>Rule 335-3-3-.02</p> <p>Rule 335-3-14-.04</p>
<u>Compliance and Performance Test Methods and Procedures</u> <ol style="list-style-type: none"> These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos. 	<p>N/A</p>
<u>Emission Monitoring</u> <ol style="list-style-type: none"> These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos. 	<p>N/A</p>
<u>Recordkeeping and Reporting Requirements</u> <ol style="list-style-type: none"> Records of fuel oil sulfur content must be kept in a form suitable for inspection. Fuel supplier certifications may be used as records for fuel oil sulfur content. These records shall be retained for at least five years following the date of generation and shall be made available upon request. 	<p>Rule 335-3-16-.05</p>

Summary Page for DRMO Mobile Shredder

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
051	DRMO Mobile Shredder	PM	NA	NA
051	DRMO Mobile Shredder	SO ₂	NA	NA
051	DRMO Mobile Shredder	NO _x	0.613 lbs/gallon & 129,000 gallons of diesel fuel per 12 months	Rule 335-3-14-.04
051	DRMO Mobile Shredder	CO	NA	NA
051	DRMO Mobile Shredder	VOC	NA	NA
051	DRMO Mobile Shredder	Opacity	(See General Proviso 29)	335-3-4-.01(1)

Provisos for DRMO Mobile Shredder

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
2. This source has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
<u>Emission Standards</u>	
1. Emissions of Nitrogen Oxides (NOx) shall not exceed 0.613 lbs/gal of diesel fuel.	Rule 335-3-14-.04
2. The amount of diesel fuel utilized by this unit shall not exceed a total of 129,000 gallons in any consecutive twelve month period.	Rule 335-3-14-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. EPA Reference Method 7E of Appendix A of CFR; Title 40, Part 60 will be used for any testing conducted to determine compliance with the nitrogen oxide emission limit.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Recordkeeping and Reporting Requirements</u>	
1. Records of monthly and twelve month rolling totals documenting the type and amount of fuel combusted shall be kept in permanent form suitable for inspection and these records must be maintained for a minimum of 5 years following the day of such record.	Rule 335-3-16-.05

Summary Page for Salt Bath System (L6005)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
L6005	Salt Bath System	PM	1.4 lbs/hr	Rule 335-3-14-.04
L6005	Salt Bath System	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)

Provisos for Salt Bath System (L6005)

Federally Enforceable Provisos	Regulations
<p><u>Applicability</u></p> <ol style="list-style-type: none"> 1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits." 2. This source has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]". 	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-14-.04</p>
<p><u>Emission Standards</u></p> <ol style="list-style-type: none"> 1. Emissions of Particulate Matter from the Salt Bath System (L6005) shall not exceed 1.40 lbs/hr. 	<p>Rule 335-3-14-.04</p>
<p><u>Compliance and Performance Test Methods and Procedures</u></p> <ol style="list-style-type: none"> 1. EPA Reference Method 5 of Appendix A of CFR; Title 40, Part 60 will be used for any testing conducted to determine compliance with the Particulate Matter emission limit. 	<p>Rule 335-3-1-.05</p>
<p><u>Emission Monitoring</u></p> <ol style="list-style-type: none"> 1. As an indicator of compliance with the particulate and opacity emission limits, weekly visual observations of the stack associated with these units (while the units are in operation) shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A shall be performed in order to verify that visible emissions have been reduced. <p>In the event that a week goes by without the operation of these sources, a weekly visual inspection shall not be required.</p>	<p>Rule 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p><u>Recordkeeping and Reporting Requirements</u></p> <p>1. Records of the required weekly visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time, and results of the Method 9 observation performed by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the followup visual inspection.</p> <p>During weeks that this source is not in operation and a weekly visible observation is not required, it shall be recorded that the source was not in operation</p>	<p>Rule 335-3-16-.05(c)</p>

**Summary Page for Building 501 Boiler No. 1
Dual Fired, 20.085 MMBtu/hr**

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
B0501-1	Boilers #1– 20.085 MMBtu/hr Dual Fired	PM	1,098,592 gallons FO @ 5% S	Rule 335-3-14-.04
B0501-1	Boilers #1– 20.085 MMBtu/hr Dual Fired	SO ₂	1,098,592 gallons FO @ 5% S	Rule 335-3-14-.04
B0501-1	Boilers #1– 20.085 MMBtu/hr Dual Fired	NO _x	NA	NA
B0501-1	Boilers #1– 20.085 MMBtu/hr Dual Fired	CO	NA	NA
B0501-1	Boilers #1– 20.085 MMBtu/hr Dual Fired	VOC	NA	NA
B0501-1	Boilers #1– 20.085 MMBtu/hr Dual Fired	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)

**Provisos for Building 501 Boiler No. 1
Dual Fired, 20.085 MMBtu/hr**

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
<u>Emission Standards</u>	
1. These units shall burn natural gas and No. 2 fuel oil only. The fuel oil combusted by these units shall have a sulfur content of 0.5 % by weight or less.	Rule 335-3-14-.04
2. This unit shall combust no more than 1,098,592 gallons of fuel oil in any consecutive twelve-month period.	Rule 335-3-14-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
2. Method 5 of 40 CFR Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60, Appendix A shall be used in the determination of opacity of the stack emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. Periodic inspections of the boiler shall be performed once every year to include inspections of tubes, burners and control valves to ensure the boiler operates as designed.	Rule 335-3-16-.05(c)

95

Federally Enforceable Provisos	Regulations
<u>Recordkeeping and Reporting Requirements</u>	
<p>1. Records of the required daily visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time, and results of the Method 9 observation performed by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up visual inspection.</p> <p>During days that these sources are not in operation, or during days these units burn only natural gas, and a daily visible observation is not required, it shall be recorded that the source was either not in operation or burned only natural gas.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>2. Records of monthly and rolling twelve-month total fuel oil usage shall be maintained in a form suitable for inspection for a period of at least 5 years following the use of the fuel oil.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>3. Records of boiler inspections and maintenance performed shall be maintained for a period of no less than 5 years following the date of generation.</p>	<p>Rule 335-3-16-.05(c)</p>

Regulations

Recordkeeping and Reporting Requirements

1. Records of the required daily visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time, and results of the Method 9 observation performed by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up visual inspection.

During days that these sources are not in operation, or during days these units burn only natural gas, and a daily visible observation is not required, it shall be recorded that the source was either not in operation or burned only natural gas.

2. Records of monthly and rolling twelve-month total fuel oil usage shall be maintained in a form suitable for inspection for a period of at least 5 years following the use of the fuel oil.
3. Records of boiler inspections and maintenance performed shall be maintained for a period of no less than 5 years following the date of generation.

Rule 335-3-16-.05(c)

Rule 335-3-16-.05(c)

Rule 335-3-16-.05(c)

**Summary Page for Building 401, Boilers Nos. 1 & 2
Dual Fired, 90 MMBtu/hr each**

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
B0401-1, B0401-2	Boiler # 1 & 2, Dual Fired, 90 MMBtu/hr each	PM	1.29 lb/hr for each unit	Rule 335-3-14-.04
B0401-1, B0401-2	Boiler # 1 & 2, Dual Fired, 90 MMBtu/hr each	SO ₂	9,944,000 total gallons fuel oil per 12 months; Sulfur content of fuel oil at 0.5% or less	Rule 335-3-14-.04 NSPS Subpart Dc 335-3-10-.02(c)
B0401-1, B0401-2	Boiler # 1 & 2, Dual Fired, 90 MMBtu/hr each	NO _x		NA
B0401-1, B0401-2	Boiler # 1 & 2, Dual Fired, 90 MMBtu/hr each	CO		NA
B0401-1, B0401-2	Boiler # 1 & 2, Dual Fired, 90 MMBtu/hr each	VOC		NA
B0401-1, B0401-2	Boiler # 1 & 2, Dual Fired, 90 MMBtu/hr each	Opacity	20% (six-minute average), except for one 6-minute period per hour of not more than 27% opacity	NSPS Subpart Dc Rule 335-3-10-.02(c)

**Provisos for Building 401, Boilers Nos. 1 & 2
Dual Fired, 90 MMBtu/hr each**

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. These Boilers are subject to the applicable requirements of 40CFR Part 60 Subpart Dc, "Standards of Performance for Small Industrial-Commercial -Institutional Steam Generating units."	Rule 335-3-10-.02(2)(c) 40 CFR 60 Subpart Dc
3. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
<u>Emission Standards</u>	
1. These units shall burn natural gas and No. 2 fuel oil only. The fuel oil combusted by these units shall have a sulfur content of 0.5 % by weight or less.	Rule 335-3-14-.04 40 CFR 60.42c(d)
2. Emissions of particulate matter from each boiler shall not exceed 1.29 lb/hr.	Rule 335-3-14-.04
3. These boilers shall combust a total of no more than 9,944,000 gallons of fuel oil in any consecutive 12-month period.	Rule 335-3-14-.04
4. Emissions from each unit shall not exhibit opacity greater than 20% as determined by a six-minute average, except for one six-minute period per hour of not more than 27% opacity.	40 CFR 60.43c(c)
<u>Compliance and Performance Test Methods and Procedures</u>	
1. The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
2. Method 5 of 40 CFR Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60, Appendix A shall be used in the determination of opacity of the stack emissions.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
<u>Emission Monitoring</u>	
1. Periodic inspections of the boiler shall be performed once every year to include inspections of tubes, burners and control valves to ensure the boiler operates as designed.	Rule 335-3-16-.05(c)
2. As an indicator of compliance with the particulate and opacity emission limits, when the unit is burning fuels other than natural gas, daily visual observations of the stack shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A shall be performed in order to verify that visible emissions have been reduced. A visual emissions observation is not required on days the unit is either not in operation or burns only natural gas.	Rule 335-3-16-.05(c)
3. To ensure compliance with the fuel oil sulfur content limit is maintained, the Permittee shall either:	40 CFR 60.42c(h)
(a) obtain a certification from the fuel supplier consisting of the name of the oil supplier and a statement from the supplier that the oil complies with the specifications under the definition of distillate oil, or	40 CFR 60.48c(f)
(b) collect oil samples from the fuel tank for each boiler immediately after the fuel tank is filled and before any oil is combusted. The permittee shall analyze the oil sample to determine the sulfur content of the oil in accordance with procedures found in ASTM D 129-64. If a partially empty fuel tank is refilled, a new sample and analysis of the fuel in the tank will be required upon filling. Results of the fuel analysis taken after each new oil shipment of oil is received shall be used as the daily value when calculating the 30-day rolling average of fuel oil sulfur content until the next shipment is received. If the fuel analysis shows that the sulfur content in the fuel tank is greater than 0.5 weight percent sulfur, the permittee shall ensure that the sulfur content of subsequent oil shipments is low enough to cause the 30-day rolling average sulfur content to be 0.5 weight percent sulfur or less.	40 CFR 60.44c(g)

Federally Enforceable Provisos	Regulations
<u>Recordkeeping and Reporting Requirements</u>	
<p>1. Records of the required daily visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time, and results of the Method 9 observation performed by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up visual inspection.</p> <p>During days that these sources are not in operation, or during days these units burn only natural gas, and a daily visible observation is not required, it shall be recorded that the source was either not in operation or burned only natural gas.</p> <p>2. Quarterly reports concerning boiler operations shall be submitted to the Department. Each quarterly report shall be postmarked by the 30th day following the end of the reporting period, and shall contain the information described below.</p> <p>(a) If fuel oil supplier certifications are being used to demonstrate compliance with the fuel oil sulfur content limit, the quarterly reports shall include the calendar dates covered in the reporting period, the name of the oil supplier, and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in § 60.41c. In addition, the quarterly reports shall include a certified statement signed by the owner or operator of the units that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.</p> <p>(b) If the permittee collects oil samples to demonstrate compliance with the fuel oil sulfur content limit, the quarterly reports shall include the calendar dates covered in the reporting period, and each 30-day average sulfur content (weight percent), calculated during the reporting period (ending with the last 30-day period).</p>	<p>Rule 335-3-16-.05(c)</p> <p>40 CFR 60.48c(d)</p> <p>40 CFR 60.48c(e)</p> <p>Rule 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
3. The amount of fuel combusted each day in each unit shall be recorded. These records shall be maintained in a form suitable for inspection for a period of at least 5 years following the date of generation of the record.	40 CFR 60.48c(g)
4. Records of daily, monthly, and rolling twelve-month total fuel oil usage shall be maintained in a form suitable for inspection for a period of at least 5 years following the use of the fuel oil.	Rule 335-3-16-.05(c)
5. Records of boiler inspections and maintenance performed shall be maintained for a period of no less than 5 years following the date of generation.	Rule 335-3-16-.05(c)

**Summary Page for Building 401 Boiler #3
Dual Fired, 61.5 MMBtu/hr**

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
B0401-3	Boilers #3- 61.5 MMBtu/hr, Dual Fired	PM	272,142,857 scf Nat Gas and 1,054,000 gallons #2 FO @ 0.5% S	Rule 335-3-14-.04
B0401-3	Boilers #3- 61.5 MMBtu/hr, Dual Fired	SO ₂	272,142,857 scf Nat Gas and 1,054,000 gallons #2 FO @ 0.5% S	Rule 335-3-14-.04
B0401-3	Boilers #3- 61.5 MMBtu/hr, Dual Fired	NO _x	272,142,857 scf Nat Gas and 1,054,000 gallons #2 FO @ 0.5% S	Rule 335-3-14-.04
B0401-3	Boilers #3- 61.5 MMBtu/hr, Dual Fired	CO	NA	NA
B0401-3	Boilers #3- 61.5 MMBtu/hr, Dual Fired	VOC	NA	NA
B0401-3	Boilers #3- 61.5 MMBtu/hr, Dual Fired	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)

**Provisos for Building 401 Boiler #3
Dual Fired, 61.5 MMBtu/hr**

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
<u>Emission Standards</u>	
1. These units shall burn natural gas and No. 2 fuel oil only. The fuel oil combusted by these units shall have a sulfur content of 0.5 % by weight or less.	Rule 335-3-14-.04
2. This boiler shall combust no more than 272,142,857 standard cubic feet of natural gas in any consecutive 12-month period.	Rule 335-3-14-.04
3. This boiler shall combust no more than 1,054,000 gallons of fuel oil in any consecutive 12-month period.	Rule 335-3-14-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
2. Method 5 of 40 CFR Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3. In the event that testing is required by ADEM, Method 6 of 40 CFR (2001 Edition) Part 60, Appendix A shall be used in the determination of sulfur dioxide emissions from the stack.	Rule 335-3-1-.05
4. Method 9 of 40 CFR Part 60, Appendix A shall be used in the determination of opacity of the stack emissions.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p>5. EPA Reference Method 7E of Appendix A of CFR; Title 40, Part 60 will be used for any testing conducted to determine compliance with the nitrogen oxide emission limit.</p>	<p>Rule 335-3-1-.05</p>
<p><u>Emission Monitoring</u></p>	
<p>1. Periodic inspections of the boiler shall be performed once every year to include inspections of tubes, burners and control valves to ensure the boiler operates as designed.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>2. As an indicator of compliance with the particulate and opacity emission limits, when the unit is burning fuels other than natural gas, daily visual observations of the stack shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A shall be performed in order to verify that visible emissions have been reduced.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>A visual emissions observation is not required on days the unit is either not in operation or burns only natural gas.</p>	

Federally Enforceable Provisos	Regulations
<p>3. To ensure compliance with the fuel oil sulfur content limit is maintained, the Permittee shall either:</p> <ul style="list-style-type: none"> (a) obtain a certification from the fuel supplier consisting of the name of the oil supplier and a statement from the supplier that the oil complies with the specifications under the definition of distillate oil, or (b) collect oil samples from the fuel tank for each boiler immediately after the fuel tank is filled and before any oil is combusted. The permittee shall analyze the oil sample to determine the sulfur content of the oil in accordance with procedures found in ASTM D 129-64. If a partially empty fuel tank is refilled, a new sample and analysis of the fuel in the tank will be required upon filling. Results of the fuel analysis taken after each new oil shipment of oil is received shall be used as the daily value when calculating the 30-day rolling average of fuel oil sulfur content until the next shipment is received. If the fuel analysis shows that the sulfur content in the fuel tank is greater than 0.5 weight percent sulfur, the permittee shall ensure that the sulfur content of subsequent oil shipments is low enough to cause the 30-day rolling average sulfur content to be 0.5 weight percent sulfur or less. 	<p>Rule 335-3-16-.05(c)</p>
<p><u>Recordkeeping and Reporting Requirements</u></p> <p>1. Records of the required daily visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time, and results of the Method 9 observation performed by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up visual inspection.</p> <p>During days that these sources are not in operation, or during days these units burn only natural gas, and a daily visible observation is not required, it shall be recorded that the source was either not in operation or burned only natural gas.</p>	<p>Rule 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
2. Records of daily, monthly, and rolling twelve-month total fuel oil and natural gas usage shall be maintained in a form suitable for inspection for a period of at least 5 years following the use of the fuel oil.	Rule 335-3-16-.05(c)
3. Records of boiler inspections and maintenance performed shall be maintained for a period of no less than 5 years following the date of generation	Rule 335-3-16-.05(c)

**Summary Page for Building 381A, Boilers Nos. 1 & 2
Dual Fired, 21 MMBtu/hr each**

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
B0381A-1, B0381A-2	Boiler # 1 & 2, Dual Fired, 21 MMBtu/hr each	PM	1.59 lb/hr for each unit	Rule 335-3-14-.04
B0381A-1, B0381A-2	Boiler # 1 & 2, Dual Fired, 21 MMBtu/hr each	SO ₂	1,067,761 total gallons fuel oil per 12 months; Sulfur content of fuel oil at 0.5% or less	Rule 335-3-14-.04 NSPS Subpart Dc Rule 335-3-10-.02(c)
B0381A-1, B0381A-2	Boiler # 1 & 2, Dual Fired, 21 MMBtu/hr each	SO ₂	Sulfur content of fuel oil at 0.5% or less	
B0381A-1, B0381A-2	Boiler # 1 & 2, Dual Fired, 21 MMBtu/hr each	NO _x		NA
B0381A-1, B0381A-2	Boiler # 1 & 2, Dual Fired, 21 MMBtu/hr each	CO		NA
B0381A-1, B0381A-2	Boiler # 1 & 2, Dual Fired, 21 MMBtu/hr each	VOC		NA
B0381A-1, B0381A-2	Boiler # 1 & 2, Dual Fired, 21 MMBtu/hr each	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)

**Provisos for Building 381A, Boilers Nos. 1 & 2
Dual Fired, 21 MMBtu/hr each**

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. These Boilers are subject to the applicable requirements of 40CFR Part 60 Subpart Dc, "Standards of Performance for Small Industrial-Commercial -Institutional Steam Generating units."	Rule 335-3-10-.02(2)(c) 40 CFR 60 Subpart Dc
3. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
<u>Emission Standards</u>	
1. These units shall burn natural gas and No. 2 fuel oil only. The fuel oil combusted by these units shall have a sulfur content of 0.5 % by weight or less.	Rule 335-3-14-.04 40 CFR 60.42c(d)
2. Emissions of particulate matter from each boiler shall not exceed 1.59 lb/hr.	Rule 335-3-14-.04
3. These boilers shall combust a total of no more than 1,067,761 gallons of fuel oil in any consecutive 12-month period.	Rule 335-3-14-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
2. Method 5 of 40 CFR Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60, Appendix A shall be used in the determination of opacity of the stack emissions.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
<u>Emission Monitoring</u>	
1. Periodic inspections of the boiler shall be performed once every year to include inspections of tubes, burners and control valves to ensure the boiler operates as designed.	Rule 335-3-16-.05(c)
2. As an indicator of compliance with the particulate and opacity emission limits, when the unit is burning fuels other than natural gas, daily visual observations of the stack shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A shall be performed in order to verify that visible emissions have been reduced. A visual emissions observation is not required on days the unit is either not in operation or burns only natural gas.	Rule 335-3-16-.05(c)
3. To ensure compliance with the fuel oil sulfur content limit is maintained, the Permittee shall either:	40 CFR 60.42c(h)
(a) obtain a certification from the fuel supplier consisting of the name of the oil supplier and a statement from the supplier that the oil complies with the specifications under the definition of distillate oil, or	40 CFR 60.48c(f)
(b) collect oil samples from the fuel tank for each boiler immediately after the fuel tank is filled and before any oil is combusted. The permittee shall analyze the oil sample to determine the sulfur content of the oil in accordance with procedures found in ASTM D 129-64. If a partially empty fuel tank is refilled, a new sample and analysis of the fuel in the tank will be required upon filling. Results of the fuel analysis taken after each new oil shipment of oil is received shall be used as the daily value when calculating the 30-day rolling average of fuel oil sulfur content until the next shipment is received. If the fuel analysis shows that the sulfur content in the fuel tank is greater than 0.5 weight percent sulfur, the permittee shall ensure that the sulfur content of subsequent oil shipments is low enough to cause the 30-day rolling average sulfur content to be 0.5 weight percent sulfur or less.	40 CFR 60.44c(g)

Federally Enforceable Provisos	Regulations
<p><u>Recordkeeping and Reporting Requirements</u></p> <p>1. Records of the required daily visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time, and results of the Method 9 observation performed by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up visual inspection.</p> <p>During days that these sources are not in operation, or during days these units burn only natural gas, and a daily visible observation is not required, it shall be recorded that the source was either not in operation or burned only natural gas.</p> <p>2. Quarterly reports concerning boiler operations shall be submitted to the Department. Each quarterly report shall be postmarked by the 30th day following the end of the reporting period, and shall contain the information described below.</p> <p>(a) If fuel oil supplier certifications are being used to demonstrate compliance with the fuel oil sulfur content limit, the quarterly reports shall include the calendar dates covered in the reporting period, the name of the oil supplier, and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in § 60.41c. In addition, the quarterly reports shall include a certified statement signed by the owner or operator of the units that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.</p> <p>(b) If the permittee collects oil samples to demonstrate compliance with the fuel oil sulfur content limit, the quarterly reports shall include the calendar dates covered in the reporting period, and each 30-day average sulfur content (weight percent), calculated during the reporting period (ending with the last 30-day period).</p>	<p>Rule 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
3. The amount of fuel combusted each day in each unit shall be recorded. These records shall be maintained in a form suitable for inspection for a period of at least 5 years following the date of generation of the record.	40 CFR 60.48c(g)
4. Records of daily, monthly, and rolling twelve-month total fuel oil usage shall be maintained in a form suitable for inspection for a period of at least 5 years following the use of the fuel oil.	Rule 335-3-16-.05(c)
5. Records of boiler inspections and maintenance performed shall be maintained for a period of no less than 5 years following the date of generation	Rule 335-3-16-.05(c)

**Summary Page for Building 362, Boilers Nos. 1 & 2
Dual Fired, 12.5 MMBtu/hr each**

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
B0362-1, B0362-2	Boiler # 1 & 2, Dual Fired, 12.5 MMBtu/hr each	PM	0.17 lb/hr for each unit	Rule 335-3-14-.04
B0362-1, B0362-2	Boiler # 1 & 2, Dual Fired, 12.5 MMBtu/hr each	SO ₂	1,086,905 total gallons fuel oil per 12 months; Sulfur content of fuel oil at 0.5% or less	Rule 335-3-14-.04 NSPS Subpart Dc Rule 335-3-10-.02(c)
B0362-1, B0362-2	Boiler # 1 & 2, Dual Fired, 12.5 MMBtu/hr each	NO _x		NA
B0362-1, B0362-2	Boiler # 1 & 2, Dual Fired, 12.5 MMBtu/hr each	CO		NA
B0362-1, B0362-2	Boiler # 1 & 2, Dual Fired, 12.5 MMBtu/hr each	VOC		NA
B0362-1, B0362-2	Boiler # 1 & 2, Dual Fired, 12.5 MMBtu/hr each	Opacity	(See General Proviso 29)	335-3-4-.01(1)

**Provisos for Building 362, Boilers Nos. 1 & 2
Dual Fired, 12.5 MMBtu/hr each**

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. These Boilers are subject to the applicable requirements of 40CFR Part 60 Subpart Dc, "Standards of Performance for Small Industrial-Commercial -Institutional Steam Generating units."	Rule 335-3-10-.02(2)(c) 40 CFR 60 Subpart Dc
3. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
<u>Emission Standards</u>	
1. These units shall burn natural gas and No. 2 fuel oil only. The fuel oil combusted by these units shall have a sulfur content of 0.5 % by weight or less.	Rule 335-3-14-.04 40 CFR 60.42c(d)
2. Emissions of particulate matter from each boiler shall not exceed 0.17 lb/hr.	Rule 335-3-14-.04
3. These boilers shall combust a total of no more than 1,086,905 gallons of fuel oil in any consecutive 12-month period.	Rule 335-3-14-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
2. Method 5 of 40 CFR Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60, Appendix A shall be used in the determination of opacity of the stack emissions.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
<u>Emission Monitoring</u>	
1. Periodic inspections of the boiler shall be performed once every year to include inspections of tubes, burners and control valves to ensure the boiler operates as designed.	Rule 335-3-16-.05(c)
2. As an indicator of compliance with the particulate and opacity emission limits, when the unit is burning fuels other than natural gas, daily visual observations of the stack shall be conducted by personnel familiar with Method 9 of 40 CFR Part 60, Appendix A. If any visible emissions are observed, personnel certified in accordance with Method 9 of 40 CFR Part 60, Appendix A shall observe the emissions within two hours of the initial observation. If the certified observer determines the emissions have opacity of 10% or greater as determined by Method 9 of 40 CFR 60, Appendix A, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A shall be performed in order to verify that visible emissions have been reduced. A visual emissions observation is not required on days the unit is either not in operation or burns only natural gas.	Rule 335-3-16-.05(c)
3. To ensure compliance with the fuel oil sulfur content limit is maintained, the Permittee shall either:	40 CFR 60.42c(h)
(a) obtain a certification from the fuel supplier consisting of the name of the oil supplier and a statement from the supplier that the oil complies with the specifications under the definition of distillate oil, or	40 CFR 60.48c(f)
(b) collect oil samples from the fuel tank for each boiler immediately after the fuel tank is filled and before any oil is combusted. The permittee shall analyze the oil sample to determine the sulfur content of the oil in accordance with procedures found in ASTM D 129-64. If a partially empty fuel tank is refilled, a new sample and analysis of the fuel in the tank will be required upon filling. Results of the fuel analysis taken after each new oil shipment of oil is received shall be used as the daily value when calculating the 30-day rolling average of fuel oil sulfur content until the next shipment is received. If the fuel analysis shows that the sulfur content in the fuel tank is greater than 0.5 weight percent sulfur, the permittee shall ensure that the sulfur content of subsequent oil shipments is low enough to cause the 30-day rolling average sulfur content to be 0.5 weight percent sulfur or less.	40 CFR 60.44c(g)

Federally Enforceable Provisos	Regulations
<u>Recordkeeping and Reporting Requirements</u>	
<p>1. Records of the required daily visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time, and results of the Method 9 observation performed by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up visual inspection.</p> <p>During days that these sources are not in operation, or during days these units burn only natural gas, and a daily visible observation is not required, it shall be recorded that the source was either not in operation or burned only natural gas.</p> <p>2. Quarterly reports concerning boiler operations shall be submitted to the Department. Each quarterly report shall be postmarked by the 30th day following the end of the reporting period, and shall contain the information described below.</p> <p>(a) If fuel oil supplier certifications are being used to demonstrate compliance with the fuel oil sulfur content limit, the quarterly reports shall include the calendar dates covered in the reporting period, the name of the oil supplier, and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in § 60.41c. In addition, the quarterly reports shall include a certified statement signed by the owner or operator of the units that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.</p> <p>(b) If the permittee collects oil samples to demonstrate compliance with the fuel oil sulfur content limit, the quarterly reports shall include the calendar dates covered in the reporting period, and each 30-day average sulfur content (weight percent), calculated during the reporting period (ending with the last 30-day period).</p>	<p>Rule 335-3-16-.05(c)</p> <p>40 CFR 60.48c(d)</p> <p>40 CFR 60.48c(e)</p> <p>Rule 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
3. Records of boiler inspections and maintenance performed shall be maintained for a period of no less than 5 years following the date of generation.	Rule 335-3-16-.05(c)
4. The amount of fuel combusted each day in each unit shall be recorded. These records shall be maintained in a form suitable for inspection for a period of at least 5 years following the date of generation of the record.	40 CFR 60.48c(g)
5. Records of daily, monthly, and rolling twelve-month total fuel oil usage shall be maintained in a form suitable for inspection for a period of at least 5 years following the use of the fuel oil.	Rule 335-3-16-.05(c)

**Summary Page for Building 19 Boilers Nos. 1 & 2
Dual Fired, 8.4 MMBtu/hr each**

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
B0019-1, B0019-2	Boilers #1 & 2 – 8.4 MMBtu/hr each, Dual Fired	PM	0.13 lb/hr for each boiler	Rule 335-3-14-.04
B0019-1, B0019-2	Boilers #1 & 2 – 8.4 MMBtu/hr each, Dual Fired	SO ₂	0.5% sulfur content	Rule 335-3-14-.04
B0019-1, B0019-2	Boilers #1 & 2 – 8.4 MMBtu/hr each, Dual Fired	NO _x	NA	NA
B0019-1, B0019-2	Boilers #1 & 2 – 8.4 MMBtu/hr each, Dual Fired	CO	NA	NA
B0019-1, B0019-2	Boilers #1 & 2 – 8.4 MMBtu/hr each, Dual Fired	VOC	NA	NA
B0019-1, B0019-2	Boilers #1 & 2 – 8.4 MMBtu/hr each, Dual Fired	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)

Provisos for Building 19 Boilers Nos. 1 & 2 Dual Fired, 8.4 MMBtu/hr each

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
<u>Emission Standards</u>	
1. These units shall burn natural gas and No. 2 fuel oil only. The fuel oil combusted by these units shall have a sulfur content of 0.5 % by weight or less.	Rule 335-3-14-.04
2. Emissions of particulate matter from each boiler shall not exceed 0.13 lb/hr.	
<u>Compliance and Performance Test Methods and Procedures</u>	
1. The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
2. Method 5 of 40 CFR Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60, Appendix A shall be used in the determination of opacity of the stack emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. Periodic inspections of the boiler shall be performed once every year to include inspections of tubes, burners and control valves to ensure the boiler operates as designed.	Rule 335-3-16-.05(c)

119

Federally Enforceable Provisos	Regulations
<u>Recordkeeping and Reporting Requirements</u>	
<p>1. Records of the required daily visual inspections shall be maintained and should be readily available for inspection for a period of five years. These records shall include the date and results of the visual inspections. If any visible emissions are observed, the records shall include the date and time of the initial observation, and the date, time, and results of the Method 9 observation performed by personnel certified in accordance with Method 9 of 40 CFR 60, Appendix A. If corrective action is warranted, the records shall include a description of the corrective actions taken, the date and time of the initial corrective action attempt, and the results of the follow-up visual inspection.</p> <p>During days that these sources are not in operation, or during days these units burn only natural gas, and a daily visible observation is not required, it shall be recorded that the source was either not in operation or burned only natural gas.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>2. Records of boiler inspections and maintenance performed shall be maintained for a period of no less than 5 years following the date of generation.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>3. The fuel oil supplier certifications and the results of the fuel oil sulfur content testing shall be maintained for a period of no less than five years following the date of generation.</p>	<p>Rule 335-3-16-.05(c)</p>

Summary Page for Building 414 (#1 - 5.022 MMBtu/hr), Building 647 (#1 - 6.695 MMBtu/hr), and Building 680 (4.185 MMBtu/hr) Boilers

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
414-1, 647-1, & 680	Fuel Oil Boilers	PM	$E = 1.38(H)^{-0.44}$	Rule 335-3-4-.03
414-1, 647-1, & 680	Fuel Oil Boilers	NO _x	N/A	N/A
414-1, 647-1, & 680	Fuel Oil Boilers	CO	N/A	N/A
414-1, 647-1, & 680	Fuel Oil Boilers	VOC	N/A	N/A
414-1, 647-1, & 680	Fuel Oil Boilers	SO ₂	0.5% sulfur content	Rule 335-3-14-.04
414-1, 647-1, & 680	Fuel Oil Boilers	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)

Provisos for Building 414 (#1 - 5.022 MMBtu/hr), Building 647 (#1 - 6.695 MMBtu/hr), and Building 680 (4.185 MMBtu/hr) Boilers

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
<u>Emission Standards</u>	
1. These units shall burn natural gas and No. 2 fuel oil only. Building 680 (4.185 MMBtu/hr) Boiler shall burn natural gas, propane, and No.2 fuel oil. The fuel oil combusted by these units shall have a sulfur content of 0.5 % by weight or less.	Rule 335-3-14-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
2. Method 5 of 40 CFR Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60, Appendix A shall be used in the determination of opacity of the stack emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. Periodic inspections of the boiler shall be performed once every year to include inspections of tubes, burners and control valves to ensure the boiler operates as designed.	Rule 335-3-16-.05(c)

123

Summary Page for Small Natural Gas Boilers (Appendix A)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
See Appendix A	Small Natural Gas Boilers	PM	$E = 1.38(H)^{-0.44}$	Rule 335-3-4-.03
See Appendix A	Small Natural Gas Boilers	NO _x	N/A	N/A
See Appendix A	Small Natural Gas Boilers	CO	N/A	N/A
See Appendix A	Small Natural Gas Boilers	VOC	N/A	N/A
See Appendix A	Small Natural Gas Boilers	SO ₂	0.5% sulfur content	Rule 335-3-14-.04
See Appendix A	Small Natural Gas Boilers	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)

Provisos for Small Natural Gas Boilers (Appendix A)

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
<u>Emission Standards</u>	
1. These units shall burn natural gas and No. 2 fuel oil only during periods of gas curtailment or gas supply emergencies. The sulfur content of the No.2 fuel oil shall not exceed 0.5% by weight	Rule 335-3-14-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
2. Method 5 of 40 CFR Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60, Appendix A shall be used in the determination of opacity of the stack emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. These sources are subject to no additional specific requirement other than those listed in the General Provisos.	N/A
<u>Recordkeeping and Reporting Requirements</u>	
1. These sources are subject to no additional specific requirement other than those listed in the General Provisos.	N/A

Summary Page for Small Fuel Oil Boilers (Appendix B)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
See Appendix B	Small Fuel Oil Boilers	PM	$E = 1.38(H)^{-0.44}$	Rule 335-3-4-.03
See Appendix B	Small Fuel Oil Boilers	NO _x	N/A	N/A
See Appendix B	Small Fuel Oil Boilers	CO	N/A	N/A
See Appendix B	Small Fuel Oil Boilers	VOC	N/A	N/A
See Appendix B	Small Fuel Oil Boilers	SO ₂	0.5% sulfur content	Rule 335-3-14-.04
See Appendix B	Small Fuel Oil Boilers	Opacity	(See General Proviso 29)	Rule 335-3-4-.01(1)

Provisos for Small Fuel Oil Boilers (Appendix B)

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits."	Rule 335-3-16-.03
2. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	Rule 335-3-14-.04
<u>Emission Standards</u>	
1. These units shall burn natural gas and No. 2 fuel oil only. The fuel oil combusted by these units shall have a sulfur content of 0.5 % by weight or less.	Rule 335-3-14-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. The sulfur content of the fuel oil delivered to the boilers shall be measured in accordance with ASTM D129-64 or an alternative method approved by the Department.	Rule 335-3-1-.05
2. Method 5 of 40 CFR Part 60, Appendix A shall be used in the determination of particulate matter emissions.	Rule 335-3-1-.05
3. Method 9 of 40 CFR Part 60, Appendix A shall be used in the determination of opacity of the stack emissions.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. These sources are subject to no additional specific requirement other than those listed in the General Provisos.	N/A
<u>Recordkeeping and Reporting Requirements</u>	
1. These sources are subject to no additional specific requirement other than those listed in the General Provisos.	N/A

Summary Page for 364 hp Emergency Diesel Generator in Building 445

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Bldg 445-DG	364 hp Diesel Generator	PM	N/A	N/A
Bldg 445-DG	364 hp Diesel Generator	NO _x	N/A	N/A
Bldg 445-DG	364 hp Diesel Generator	CO	N/A	N/A
Bldg 445-DG	364 hp Diesel Generator	VOC	N/A	N/A
Bldg 445-DG	364 hp Diesel Generator	SO ₂	N/A	N/A
Bldg 445-DG	364 hp Diesel Generator	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP

Provisos for 364 hp Emergency Diesel Generator in Building 445

Federally Enforceable Provisos	Regulations
<u>Applicability</u> 1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating permits." 2. This source is subject to the applicable requirements of Subpart A of 40 CFR Part 60, "General Provisions". 3. This source is subject to the applicable requirements of 40 CFR Part 60 Subpart III, "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines".	Rule 335-3-16-.03 40 CFR Part 60 Subpart A and III. 40 CFR Part 60 Subpart III
<u>Emission Standards</u> 1. This unit must be installed and configured according to the manufacturer's specifications. 2. The permittee must install a non-resettable hour meter prior to startup of engine. 3. This unit must use diesel fuel that meets the requirements of 40 CFR 80.510(a). 4. Beginning October 1, 2010, this unit must use diesel fuel that meets the requirements of 40 CFR 80.510(b). 5. The facility must operate and maintain this unit according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. 6. Any operation of this unit, other than emergency operation, maintenance, and testing is prohibited. Maintenance checks and readiness testing is limited to 100 hours per year.	40 CFR 60.4211(c) 40 CFR 60.4209(b) 40 CFR 60.4207(a) 40 CFR 60.4207(b) 40 CFR 60.4206 40 CFR 60.4211(e)
<u>Compliance and Performance Test Methods and Procedures</u> 1. Method 9 of 40 CFR Part 60, Appendix A shall be used in the determination of opacity of the stack emissions.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
<u>Emission Monitoring</u>	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Recordkeeping and Reporting Requirements</u>	
1. This source is subject to no additional specific recordkeeping and reporting requirements other than those listed in the General Permit Provisos.	N/A

Appendix A - Small Natural Gas Boilers

Building/Boiler Number	Manufacturer	Rated Capacity (MMBtu/hr)
21	Burnham	1.51
27	Burnham	2.34
87	Hurst	0.86
100	Kewanee	1.35
118	Burnham	1.34
474-1	Unknown	2.51
474-2	Unknown	2.51
503	Hurst	2.68
695	Hurst	0.750

Appendix B - Small Fuel Oil Boilers

Building/Boiler Number	Manufacturer	Rated Capacity (MMBtu/hr)
7	Unknown	2.0
22	Burnham	0.77
49	Burnham	0.65
54	Burnham	1.06
58	Hurst	1.73
65	Superior	1.25
379	Unknown	4.0
380	Burnham	1.29
418	Burnham	1.73
600	Unknown	1.0

Appendix C - PM CAM Plan for Blast Cabinets K4607 and J4744

	Indicator 1
I. Indicator	Opacity
Measurement Approach	Visible Emissions check by persons familiar with Method 9
II. Indicator Range	While the unit is operating, an excursion is defined as the presence of any visible emissions. Excursions trigger an inspection, corrective action, and a reporting requirement.
III. Performance Criteria	Measurement is being made at the emission point (baghouse exhaust).
A. Data Representativeness	
B. Verification of Operation Status	NA
C. QA/QC Practices and Criteria	The observer will be familiar with Reference Method 9.
D. Monitoring Frequency	Daily
E. Data Collection Procedures	The VE observation will be recorded with the time, date, and name of the observer.
F. Averaging Period	Instantaneous